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ARL STATISTICS

1984-85

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND EIGHTEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
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ASSOCIATION OF RESEARCH LIBRARIES
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INTRODUCTION

The 1984-85 ARL Statistics presents data from the 118 U.S. and Canadian research libraries that were members of the Association during the 1984-85 fiscal year. Laval University became ARL's fifteenth Canadian member in 1985, and its data are included for the first time. The ARL membership consists of 106 university libraries and 12 public or private, independent research libraries. A complete list of members is found in the "Guide to Library Code Numbers" on page 5a.

It is important to state at the outset that these data are descriptive indices of the size of research libraries, their staffs, and expenditures, along with Ph.D. and enrollment data for the universities. None of the tables or the analyses represent qualitative measures, and the reader is cautioned against making qualitative judgments on the basis of these data.

The ARL Statistics provide a substantial body of descriptive information. Taken together with the "Princeton Statistics," which cover the years 1919-20 to 1962-63, they provide researchers and practitioners with a wealth of information stretching back 65 years.[1] The Committee on ARL Statistics, together with designated staff, is the body charged to oversee and operate the Association's statistical programs and publications. The committee meets several times each year to review data elements, definitions, and instructions, as well as to examine suggestions, comments, and criticisms from members. Ideas, comments, and criticisms are always welcome and can provide stimuli to the group to reexamine issues and elements, which in turn strengthen the statistics.

Research libraries are dynamic and evolving organizations responsible for an increasingly broad spectrum of information services for their client groups. The pace of introduction of technological advances into libraries and the onset of the "information age" contribute to the dynamism and focus attention on research libraries. Such change is the source of a dilemma for the Statistics Committee. How does ARL retain historical comparability of data and at the same time introduce new data elements more descriptive of the changing research library and its operations and services? The committee wrestles with this question at every meeting, attempting to achieve balance between the two extremes. Changing statistical elements is time-consuming and difficult, and a costly burden for libraries. With large, complex research library systems and varying institutional fiscal years, it normally takes at least two years from the time a new data element is introduced until all members can adjust procedures to provide the requested information relatively routinely.

Many other issues are on the committee's current agenda. These include: development of library performance and output measures; less reliance on data about collection size and introduction of measures of access to information; use of sampling instead of total record-keeping; improved reporting and comparability of data; consistency of reporting with previous years and with other agencies; development of an ARL Price Index; additional analyses that can be cone with current data; and, to reduce the effort and cost for libraries, greater standardization of elements and definitions with those of other programs such as the Higher Education General Information Survey (HEGIS), the Association of College and Research Libraries (ACRL), and the Canadian Association of Research Libraries (CARL).

As the reader turns to the data presented in the 1984-85 tables, attention is drawn to the questionnaire and instructions for an understanding of the definitions used. Attention should be paid to the footnotes to various tables in order to identify variant reporting practices of individual institutions which often reflect local goals and characteristics. Separate information on the holdings of law school libraries may be found in the spring issue of Law Library Journal, and U.S. and Canadian medical school library data is published by the Association of Academic Health Sciences Library Directors. Canadian expenditures are expressed in U.S. dollars; the exchange rate used for 1984-85 is $1.3388 Canadian dollars to one U.S dollar.[2]

The ARL Library Index is not included in this year's publication due to ongoing studies of several related issues.

Again, the rank order tables and other data in this publication are quantitative and descriptive and are not intended for use in making qualitative evaluations of the libraries described.

Herbert F. Johnson
Chair, Committee on ARL Statistics
Director of Libraries
Emory University
January 30, 1986

References:

1 See p. 66 for a complete listing of ARL statistical publications.

2 The rate used is the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1984-June 1985. Expenditures as reported in Canadian dollars are given in the "Footnotes" to the ARL Statistics.

GUIDE TO LIBRARY CODE NUMBERS

5b

GUIDE TO LIBRARY CODE NUMBERS

The institutions listed below are the 118 institutions that were members of the Association of Research Libraries in 1985. Each has been assigned a code number for use on the data tables on pages 8-17 in place of the names of the institutions. (See columns labeled "Library Code No." to the left of columns 1 and 12). Numbers 1-106 have been used to designate the 106 university library members of the Association. Numbers 107-118 designate the 12 nonuniversity members.

1. Alabama
2. Alberta
3. Arizona
4. Arizona State
5. Boston
6. Brigham Young
7. British Columbia
8. Brown
9. Calif., Berkeley
10. Calif., Davis
11. Calif., Irvine
12. Calif., Los Angeles
13. Calif., Riverside
14. Calif., San Diego
15. Calif., Santa Barbara
16. Case Western Reserve
17. Chicago
18. Cincinnati
19. Colorado
20. Colorado State
21. Columbia
22. Connecticut
23. Cornell
24. Dartmouth
25. Delaware
26. Duke
27. Emory
28. Florida
29. Florida State
30. Georgetown
31. Georgia
32. Georgia Tech
33. Guelph
34. Harvard
35. Hawaii
36. Houston
37. Howard
38. Illinois
39. Indiana
40. Iowa
41. Iowa State
42. Johns Hopkins
43. Kansas
44. Kent State
45. Kentucky
46. Laval
47. Louisiana State
48. McGill
49. McMaster
50. Manitoba
51. Maryland
52. Massachusetts
53. MIT
54. Miami
55. Michigan
56. Michigan State
57. Minnesota
58. Missouri
59. Nebraska
60. New Mexico
61. New York
62. North Carolina
63. North Carolina St.
64. Northwestern
65. Notre Dame
66. Ohio State
67. Oklahoma
68. Oklahoma State
69. Oregon
70. Pennsylvania
71. Pennsylvania State
72. Pittsburgh
73. Princeton
74. Purdue
75. Queen's
76. Rice
77. Rochester
78. Rutgers
79. Saskatchewan
80. South Carolina
81. Southern California
82. Southern Illinois
83. Stanford
84. SUNY-Albany
85. SUNY-Buffalo
86. SUNY-Stony Brook
87. Syracuse
88. Temple
89. Tennessee
90. Texas
91. Texas A & M
92. Toronto
93. Tulane
94. Utah
95. Vanderbilt
96. Virginia
97. Virginia Polytechnic
98. Washington
99. Washington State
100. Washington Univ., St. Louis
101. Waterloo
102. Wayne State
103. Western Ontario
104. Wisconsin
105. Yale
106. York
*107. Boston Public Library
*108. Canada Inst. for Sci. & Tech. Info.
*109. Center for Research Libraries
*110. Library of Congress
*111. Linda Hall Library
*112. National Agricultural Library
*113. National Library of Canada
*114. National Library of Medicine
*115. Newberry Library
*116. New York Public Library
*117. New York State Library
*118. Smithsonian Institution

*Nonuniversity library

ARL Library Data Table

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
1 +LM	1,612,375	53,632	53,234	1,154,801	15,644	4,152	2,671	6,823	2,373	1,551	3,924
2 +LM	2,476,532	81,322	77,823	2,029,107	21,234	4,900	8,556	13,456	3,966	5,634	9,600
3 +LM	3,049,172	115,233	111,989	2,906,485	33,616	12,027	25,651	37,678	4,021	3,154	7,175
4 L	2,000,762	99,398	88,621	2,075,398	27,803	9,930	10,265	20,195	6,411	7,050	13,461
5 +LM	1,546,525	62,603	50,761	2,189,080	27,074	2,334	3,716	6,050	2,785	6,242	9,027
6 +	1,744,081	67,213	63,813	1,311,392	16,722	3,681	3,370	7,051	3,790	5,736	9,526
7 +LM	2,465,584	120,672	115,483	3,193,609	35,299	9,384	6,340	15,724	3,992	5,653	9,645
8 +bG	1,966,160	48,429	46,745	901,846	15,195	2,691	4,163	6,854	3,103	1,696	4,799
9 L	6,610,872	301,411	106,642	3,146,663	94,108	11,030	20,579	31,609	7,619	4,670	12,289
10 +bLM	1,995,437	91,181	85,063	2,105,941	47,874	9,601	20,946	30,547	3,312	2,672	5,984
11 M	1,178,819	58,530	57,909	1,322,227	16,918	8,015	3,919	11,934	3,213	4,003	7,216
12 +LM	5,365,264	230,945	192,657	3,601,884	83,804	9,949	36,106	46,055	6,385	1,908	8,293
13 +	1,204,419	45,648	42,988	1,025,922	13,349	4,316	2,507	6,823	3,286	4,691	7,977
14 +M	1,698,201	76,857	65,729	1,120,220	30,927	4,384	8,725	13,109	2,955	2,463	5,418
15 +b	1,698,590	57,223	56,303	2,012,402	20,237	2,908	6,599	9,507	5,425	3,766	9,191
16 +bGLM	1,469,190	28,398	22,590	597,108	11,974	N/A	N/A	37,337	N/A	N/A	8,937
17 +LM	4,660,683	523,485	(133,421)	1,411,921	47,796	3,167	38,115	41,282	3,205	1,081	4,286
18 +GLM	1,469,951	44,970	40,751	1,743,026	18,794	8,112	18,271	26,383	3,826	4,910	8,736
19 +L	2,051,953	47,491	42,257	2,810,799	22,486	5,718	6,486	12,204	4,609	2,848	7,457
20 +	1,446,036	54,287	44,192	1,075,957	17,390	3,539	6,718	10,257	3,886	4,302	8,188
21 +LM	5,459,972	113,182	82,966	3,178,254	61,958	N/A	N/A	22,463	N/A	N/A	6,705
22 +GLM	1,960,607	101,616	95,471	2,056,597	18,634	9,260	14,111	23,371	4,342	4,743	9,085
23 +L	4,874,447	121,347	105,320	3,522,702	55,365	7,397	18,230	25,627	3,944	4,652	8,596
24 +M	1,605,240	49,302	46,860	1,662,640	19,534	5,509	4,561	10,070	3,143	3,669	6,812
25 +G	1,668,896	53,849	53,849	1,263,165	19,576	5,245	2,774	8,019	1,686	1,286	2,972

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

ARL Library Data Table

	EXPENDITURES							PERSONNEL (FTE)			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
	12	13	14	15	16	17	18	19	20	21	22
1	1,974,188	1,027,904	99,109	2,073,297	2,374,957	487,289	4,935,543	52	67	57	176
2	2,686,758	1,454,286	99,722	2,786,480	6,983,390	1,020,065	10,789,935	83	282	33	398
3	4,256,069	2,068,870	257,374	4,513,443	5,131,403	1,200,164	10,845,010	91	183	88	362
4	3,401,502	1,791,653	166,185	3,567,687	3,866,930	1,149,836	8,604,453	66	173	53	292
5	2,500,588	1,468,437	153,835	2,654,423	3,483,003	946,528	7,083,954	64	144	76	284
6	2,349,046	845,194	82,298	2,431,344	3,721,083	2,010,556	8,162,983	75	56	157	288
7	2,815,287	1,281,745	134,947	2,950,234	7,459,179	1,535,559	11,944,972	104	285	48	437
8	2,146,428	980,674	139,110	2,285,538	3,146,380	1,094,127	6,526,045	68	101	51	220
9	5,115,266	2,721,203	519,750	5,635,016	14,751,484	2,786,299	23,172,799	170	296	255	721
10	3,703,014	1,994,015	345,092	4,048,106	5,848,301	1,153,793	11,050,200	67	182	59	308
11	2,779,486	1,323,855	191,467	2,970,953	3,795,603	704,436	7,470,992	46	92	54	192
12	5,849,917	2,586,502	613,862	6,463,779	13,129,007	4,316,832	23,909,618	190	282	220	692
13	2,044,019	910,068	153,653	2,197,672	2,996,239	572,146	5,766,057	34	99	32	165
14	3,093,398	1,155,299	240,335	3,333,733	4,909,975	1,755,666	9,999,374	61	155	56	272
15	2,672,877	1,230,902	215,568	2,888,445	4,799,375	891,986	8,579,806	56	137	43	236
16	1,553,096	1,079,692	71,589	1,624,685	2,775,158	879,670	5,279,513	72	70	41	183
17	2,979,870	1,591,068	246,623	3,226,493	5,947,326	2,264,544	11,438,363	77	173	84	334
18	2,448,460	1,337,138	128,075	2,576,535	4,264,431	1,319,800	8,160,766	68	122	72	262
19	2,127,094	1,324,154	121,908	2,249,002	3,397,997	424,050	6,071,049	45	96	52	193
20	1,416,294	1,100,000	93,637	1,509,931	2,732,314	1,216,719	5,458,964	43	80	29	152
21	4,260,392	2,096,101	392,850	4,653,242	9,195,626	2,370,387	16,219,255	133	280	140	553
22	2,398,835	1,221,153	138,743	2,537,578	3,904,812	718,149	7,160,539	61	103	58	222
23	4,331,291	N/A	239,235	4,570,526	7,859,142	2,241,104	14,670,772	157	300	76	533
24	1,910,428	1,115,033	62,519	1,972,947	2,385,011	714,342	5,072,300	41	105	34	180
25	2,756,606	1,126,791	153,108	2,909,714	2,308,804	425,316	5,643,834	43	94	29	166

ARL Library Data Table

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
26 +GLM	3,456,720	82,259	77,017	1,214,139	29,588	7,429	21,047	28,476	2,811	1,979	4,790
27 +LM	1,888,061	60,454	54,142	1,371,077	17,549	11,380	13,490	24,870	2,535	2,559	5,094
28 +GLM	2,474,542	70,284	58,022	2,743,021	29,079	3,942	15,045	18,987	4,233	3,537	7,770
29 +bLB	1,626,574	52,001	47,763	2,570,158	22,136	N/A	N/A	21,179	N/A	N/A	4,859
30 +GLM	1,533,577	72,228	68,133	1,390,596	20,042	3,669	2,569	6,238	1,862	2,356	4,218
31 +L	2,415,673	99,384	99,174	3,122,764	51,925	9,588	17,445	27,033	3,041	1,681	4,722
32 +	1,852,788	75,790	72,760	1,984,843	28,380	2,569	12,730	15,299	883	1,340	2,223
33 +bG	1,564,686	78,128	78,128	927,545	9,816	682	2,600	3,282	1,511	2,922	4,433
34 +LM	10,929,899	192,573	131,470	3,728,002	103,000	4,669	23,137	27,806	3,380	2,608	5,988
35 +G	2,013,146	64,309	62,351	2,313,410	33,889	2,308	6,712	9,020	981	1,063	2,044
36 +L	1,434,745	50,483	26,005	2,698,506	27,002	4,798	5,536	10,334	3,314	3,418	6,732
37 LM	1,474,318	95,375	90,160	2,252,333	24,147	1,645	889	2,534	645	232	877
38 GL	6,808,048	200,409	192,498	1,991,702	93,913	79,236	40,184	119,420	122,849	9,534	132,383
39 +L	4,365,624	134,406	122,388	1,614,717	30,996	12,687	20,267	32,954	5,153	3,455	8,608
40 +LM	2,661,728	88,085	83,669	2,534,227	32,815	6,527	28,105	34,632	3,157	3,016	6,173
41	1,609,802	60,563	55,972	1,718,956	20,652	8,207	11,233	19,440	2,993	2,300	5,293
42 +M	2,506,132	64,915	55,259	1,441,756	19,524	4,842	9,462	14,304	6,829	6,493	13,322
43 +GLM	2,485,748	88,451	87,046	1,568,027	29,353	19,143	16,450	35,593	9,404	7,637	17,041
44 +	1,570,832	47,963	47,058	1,053,974	9,465	7,318	4,042	11,360	4,187	4,009	8,196
45 +LM	1,962,733	42,796	34,675	2,865,988	22,242	5,430	12,026	17,456	3,662	4,983	8,645
46 +	1,490,743	58,939	55,703	619,569	13,764	4,015	6,394	10,409	3,729	5,176	8,905
47 +LM	2,147,840	67,894	63,391	2,271,965	23,840	3,443	4,847	8,290	1,496	2,682	4,178
48 +bLM	2,292,456	64,069	55,248	707,888	14,660	9,978	21,530	31,508	5,001	3,400	8,401
49 +M	1,394,824	57,414	42,492	990,563	14,450	5,231	4,993	10,224	3,287	4,164	7,451
50 +GLM	1,367,086	50,604	42,958	784,176	11,826	7,981	3,101	11,082	1,993	4,700	6,693

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L - INCLUDES LAW LIBRARY
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+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

ARL Library Data Table

	EXPENDITURES							PERSONNEL (FTE)			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
	12	13	14	15	16	17	18	19	20	21	22
26	3,102,947	1,724,267	189,959	3,292,906	4,945,550	749,098	8,987,554	97	171	34	302
27	2,625,957	1,329,748	116,956	2,742,913	3,223,140	913,819	6,879,872	56	119	48	223
28	2,930,847	1,518,331	112,247	3,043,094	4,633,069	1,279,131	8,955,294	98	159	173	430
29	2,145,212	1,209,530	151,373	2,296,585	2,712,490	304,845	5,313,920	56	95	75	226
30	2,556,310	1,129,669	153,083	2,709,393	4,070,257	1,985,854	8,765,504	68	100	89	257
31	3,473,006	1,929,924	239,183	3,712,189	3,905,394	678,230	8,295,813	76	163	62	301
32	1,309,460	972,135	85,615	1,395,075	1,648,643	822,531	3,866,249	49	50	15	114
33	1,353,278	709,112	61,759	1,415,037	2,563,045	142,070	4,120,152	34	115	15	164
34	6,871,754	2,977,335	621,488	7,493,242	16,109,429	1,385,740	24,988,411	310	516	175	1,001
35	2,045,989	1,094,062	176,421	2,222,410	3,889,143	443,011	6,554,564	62	98	60	220
36	2,512,676	1,489,557	108,444	2,621,120	3,459,541	851,651	6,932,312	57	126	69	252
37	2,809,576	1,826,091	116,830	2,926,406	4,436,337	4,490,659	11,853,402	105	170	121	396
38	4,724,114	2,224,088	227,903	4,952,017	7,845,131	1,615,553	14,412,701	122	298	131	551
39	3,515,523	1,470,769	210,401	3,725,924	6,140,882	966,528	10,833,334	109	209	176	494
40	3,406,656	1,917,810	235,392	3,642,048	3,838,812	404,445	7,885,305	79	100	72	251
41	2,603,083	1,417,728	153,724	2,756,807	3,069,867	362,153	6,188,827	48	108	49	205
42	2,553,488	1,378,969	76,548	2,630,036	4,369,024	1,643,320	8,642,380	82	179	42	303
43	3,132,388	1,509,435	171,921	3,304,309	4,155,983	1,269,561	8,729,853	81	128	81	290
44	1,183,869	434,164	65,680	1,249,549	2,792,052	1,197,575	5,239,176	39	93	45	177
45	2,436,446	1,422,936	106,501	2,542,947	3,303,522	956,514	6,802,983	64	123	64	251
46	1,723,580	884,743	65,181	1,788,761	5,148,173	578,763	7,515,697	75	188	3	266
47	3,128,755	1,575,166	185,158	3,313,913	3,540,851	1,097,320	7,952,084	66	117	88	271
48	2,449,701	1,184,267	132,495	2,582,196	5,722,221	534,295	8,838,712	73	209	34	316
49	2,556,493	1,118,889	69,635	2,626,128	2,928,999	388,036	5,943,163	39	140	18	197
50	1,758,701	1,018,437	87,365	1,846,066	3,942,941	590,612	6,379,619	61	156	22	239

ARL Library Data Table

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
51 +G	1,697,490	78,889	74,864	2,320,989	19,829	5,360	4,190	9,550	1,913	651	2,564
52 +	2,068,005	67,650	65,545	1,309,937	13,555	4,182	6,759	10,941	3,491	4,639	8,130
53 +	1,993,922	61,648	46,850	1,500,080	20,637	3,139	14,177	17,316	1,533	2,465	3,998
54 +LM	1,508,447	46,514	33,685	1,993,180	20,477	4,476	9,101	13,577	3,432	5,444	8,876
55 +LM	5,805,748	133,971	123,079	2,676,077	63,947	4,103	16,393	20,496	5,609	5,994	11,603
56 +	3,062,867	89,768	69,963	2,035,637	22,808	1,847	4,427	6,274	1,703	2,601	4,304
57 +LM	4,229,107	105,801	94,876	2,003,729	44,714	25,912	124,354	150,266	7,225	8,327	15,552
58 +GLM	2,254,750	55,371	48,646	3,187,381	20,445	8,866	14,727	23,593	4,028	3,259	7,287
59 +L	1,773,097	61,711	59,490	1,884,591	23,485	2,654	5,500	8,154	2,561	3,187	5,748
60 +LM	1,514,077	58,241	48,072	2,980,951	17,671	5,539	6,664	12,203	2,727	3,798	6,525
61 +LM	2,879,338	76,763	63,981	1,823,585	31,009	3,251	6,997	10,248	1,812	4,678	6,490
62 +BLM	3,184,517	128,456	121,780	2,312,147	40,225	8,428	11,812	20,240	2,135	1,974	4,109
63 +	1,182,891	50,390	44,771	2,398,545	18,535	4,842	22,000	26,842	1,867	1,552	3,419
64 +LM	3,124,611	101,153	79,886	1,519,982	25,474	N/A	N/A	13,213	4,330	3,794	8,124
65 +G	1,616,220	41,580	39,614	852,870	15,711	3,310	3,364	6,674	2,001	2,541	4,542
66 +LM	3,983,395	105,289	91,146	2,520,652	30,909	9,262	21,206	30,468	4,718	4,175	8,893
67 +GLM	2,108,359	50,783	46,669	2,401,278	14,528	4,891	10,516	15,407	4,730	7,930	12,660
68 +	1,398,221	35,046	28,057	1,649,923	14,617	3,966	5,619	9,585	2,060	2,267	4,327
69 +L	1,675,727	46,190	35,982	1,288,562	17,561	4,772	4,352	9,124	3,358	1,708	5,066
70 LM	3,282,105	103,823	89,090	1,771,609	29,825	4,283	5,475	9,758	5,833	5,949	11,782
71 +BG	2,556,027	91,775	83,062	1,773,368	26,820	6,274	6,019	12,293	4,753	3,941	8,694
72 +LM	2,583,597	85,439	75,219	1,861,428	22,145	7,403	18,874	26,277	3,671	3,097	6,768
73	3,751,967	121,724	115,633	1,845,806	38,052	4,068	2,917	6,985	3,424	2,070	5,494
74 G	1,655,449	69,529	61,781	1,471,198	17,451	1,465	8,114	9,579	2,871	3,104	5,975
75 +LM	1,597,351	54,284	53,708	1,240,185	15,229	N/A	N/A	5,079	N/A	N/A	6,117

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

ARL Library Data Table

	EXPENDITURES							PERSONNEL (FTE)			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
	12	13	14	15	16	17	18	19	20	21	22
51	2,944,272	1,520,743	153,794	3,098,066	4,480,279	1,346,369	8,924,714	82	150	85	317
52	1,810,616	975,253	67,420	1,878,036	3,730,377	633,604	6,242,017	55	115	48	218
53	1,810,512	1,165,914	125,049	1,935,561	4,717,818	1,475,113	8,128,492	86	150	39	275
54	2,155,494	1,200,178	98,620	2,254,114	3,219,713	753,871	6,227,698	60	119	67	246
55	4,734,897	2,357,692	275,245	5,010,142	8,266,986	1,766,113	15,043,241	142	270	131	543
56	2,681,414	1,317,904	186,442	2,867,856	4,782,299	1,281,712	8,931,867	74	133	110	317
57	3,570,053	2,094,781	381,582	3,951,635	7,947,433	1,931,889	13,830,957	109	172	131	412
58	2,146,421	1,485,354	141,871	2,288,292	3,004,588	735,732	6,028,612	50	113	48	211
59	2,579,096	1,410,014	116,230	2,695,326	2,765,573	498,679	5,959,578	54	107	42	203
60	2,208,927	1,284,419	129,380	2,338,307	4,053,926	838,709	7,230,942	70	140	71	281
61	3,413,364	1,861,619	206,395	3,619,759	6,490,290	1,100,985	11,211,034	108	188	70	366
62	4,222,600	1,481,752	256,062	4,478,662	5,961,916	1,464,273	11,904,851	114	196	73	383
63	2,416,359	1,453,408	122,320	2,538,679	2,988,139	402,557	5,929,375	44	110	54	208
64	2,946,886	1,664,654	202,601	3,149,487	5,511,422	1,071,374	9,732,283	104	149	95	348
65	1,940,222	988,102	98,792	2,039,014	2,250,814	326,456	4,616,284	40	102	17	159
66	4,386,886	2,224,360	211,874	4,598,760	6,964,343	2,231,931	13,795,034	109	203	155	467
67	1,894,874	1,368,223	80,731	1,975,605	2,470,631	751,013	5,197,249	45	82	43	170
68	1,652,902	1,140,874	68,657	1,721,559	1,676,271	433,085	3,830,915	41	55	54	150
69	2,312,004	1,223,281	100,213	2,412,217	2,713,883	112,168	5,238,268	51	87	57	195
70	2,510,010	1,410,059	280,314	2,790,324	5,767,447	1,819,646	10,377,417	101	156	62	319
71	3,475,783	2,020,659	225,486	3,701,269	6,667,337	1,789,688	12,158,294	103	254	67	424
72	2,409,894	1,395,103	169,083	2,578,977	4,731,569	971,374	8,281,920	86	166	76	328
73	3,557,309	1,664,817	251,791	3,809,100	7,724,797	1,069,123	12,603,020	95	229	61	385
74	2,108,762	1,417,392	89,933	2,198,695	3,328,945	656,172	6,183,812	43	165	51	259
75	1,949,775	1,032,677	87,568	2,037,343	3,070,704	325,562	5,433,609	39	147	30	216

ARL Library Data Table

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
76 +b	1,234,034	45,902	45,019	1,622,898	10,723	3,631	12,463	16,094	1,035	1,091	2,126
77 +GM	2,473,305	45,556	41,917	2,524,942	12,562	6,011	11,299	17,310	3,442	3,470	6,912
78 +BM	2,218,913	80,856	73,776	2,098,916	22,893	4,859	13,874	18,733	3,563	4,470	8,033
79 +GLM	1,207,163	41,028	39,127	1,431,945	9,702	2,525	2,630	5,155	N/A	N/A	10,564
80 LM	2,117,042	67,387	57,333	2,160,360	17,434	4,421	5,718	10,139	3,400	2,467	5,867
81 +LM	2,441,102	82,878	80,388	1,652,813	37,926	1,918	7,744	9,662	1,159	1,166	2,325
82 +GL	1,844,548	47,566	44,472	2,665,519	21,000	30,065	16,726	46,791	2,509	2,183	4,692
83 +BLM	5,318,153	159,118	141,065	2,920,353	48,573	6,835	11,446	18,281	3,815	2,919	6,734
84 +	1,130,619	39,303	36,614	2,135,826	16,243	6,387	11,149	17,536	4,082	5,182	9,264
85 +LM	2,310,828	81,186	60,602	2,883,232	23,302	4,590	15,429	20,019	2,920	3,102	6,022
86 +bM	1,473,744	49,943	48,821	2,298,341	17,170	4,416	12,903	17,319	2,421	2,699	5,120
87 +bL	2,186,470	72,740	64,017	2,592,231	22,469	3,085	2,841	5,926	2,125	2,259	4,384
88 +LM	1,839,707	54,269	52,577	1,173,181	15,027	4,170	4,969	9,139	2,386	2,268	4,654
89	1,524,127	44,643	40,809	1,630,559	17,983	9,819	9,155	18,974	1,930	1,892	3,822
90 +L	5,402,357	201,030	173,061	3,403,469	77,478	7,048	4,828	11,876	5,759	2,418	8,177
91 +M	1,600,043	60,933	59,133	2,197,726	18,053	7,837	28,506	36,343	3,769	7,392	11,161
92 +GLM	5,178,677	202,407	173,836	1,941,649	39,981	10,711	8,590	19,301	3,105	3,844	6,949
93 +LM	1,576,287	56,736	47,412	1,490,720	14,652	N/A	N/A	8,511	N/A	N/A	6,479
94 G	2,157,104	88,170	80,738	2,076,598	14,348	5,026	3,639	8,665	5,398	3,598	8,996
95 +LM	1,608,105	64,673	40,888	1,322,472	16,672	6,378	4,614	10,992	4,276	2,151	6,427
96 GLM	2,713,404	106,668	90,435	3,132,566	22,227	8,794	9,869	18,663	3,373	2,266	5,639
97 +	1,493,361	66,413	50,698	3,843,784	19,000	5,991	11,817	17,808	1,644	1,505	3,149
98 +LM	4,416,024	143,277	118,864	4,331,060	39,868	18,346	88,173	106,519	3,547	1,436	4,983
99 +	1,418,725	36,555	34,652	2,127,940	33,947	4,753	6,191	10,944	1,380	1,889	3,269
100 LM	2,029,838	47,519	40,022	1,464,768	16,152	4,532	15,189	19,721	3,633	4,434	8,067

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
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N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

ARL Library Data Table

LIBRARY CODE NO.	EXPENDITURES							PERSONNEL (FTE)			
	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
	12	13	14	15	16	17	18	19	20	21	22
76	1,647,554	1,008,551	48,137	1,695,691	1,909,933	642,231	4,247,855	38	72	21	131
77	2,126,472	1,266,337	103,557	2,230,029	3,282,857	964,553	5,477,439	57	107	64	228
78	3,356,846	2,124,334	355,693	3,712,539	7,709,873	1,548,615	12,971,027	96	232	101	429
79	1,715,476	963,933	66,569	1,782,045	2,960,196	346,117	5,088,358	36	118	19	173
80	2,052,027	1,229,488	106,183	2,158,210	2,870,037	385,889	5,414,136	60	105	34	199
81	2,993,179	1,663,815	139,983	3,133,162	4,809,760	1,806,685	9,749,607	98	149	91	338
82	2,015,648	1,356,337	125,020	2,140,668	3,502,039	754,407	6,397,114	57	93	95	245
83	5,754,736	2,352,273	351,144	6,105,880	13,196,374	2,719,522	22,021,776	155	340	92	587
84	1,876,474	1,246,967	71,000	1,947,474	2,555,819	463,008	4,966,301	48	85	25	158
85	2,588,461	1,661,250	133,855	2,722,316	4,461,923	929,481	8,113,720	90	117	71	278
86	2,142,329	1,241,267	89,150	2,231,479	3,560,520	632,176	6,424,175	49	116	48	213
87	2,446,463	1,619,024	102,871	2,549,334	3,421,719	1,186,450	7,157,503	65	141	37	243
88	1,797,813	1,193,771	117,305	1,915,118	3,501,878	1,209,350	6,626,346	69	119	62	250
89	1,947,757	1,238,400	113,841	2,061,598	2,980,753	391,985	5,434,336	54	134	41	229
90	6,539,296	2,253,255	182,387	6,721,683	9,161,771	1,458,283	17,341,737	146	373	74	593
91	3,046,940	1,604,903	112,943	3,159,883	3,742,768	1,082,862	7,985,513	67	146	80	293
92	4,292,215	2,224,475	183,188	4,475,403	11,977,770	1,431,485	17,884,658	153	478	96	727
93	2,315,684	1,138,493	101,557	2,417,241	2,653,864	926,923	5,998,028	49	98	31	178
94	1,767,976	744,805	108,362	1,876,338	2,814,118	652,737	5,343,193	48	103	64	215
95	2,184,547	1,192,984	108,826	2,293,373	3,150,862	802,050	6,246,285	65	116	63	244
96	4,345,772	1,704,589	209,630	4,555,402	5,317,721	1,332,297	11,205,420	89	194	56	339
97	2,504,900	1,613,900	132,300	2,637,200	2,654,800	1,210,600	6,502,600	55	105	32	192
98	4,311,786	2,603,022	373,184	4,684,970	7,682,662	1,696,541	14,064,173	124	232	127	483
99	1,994,194	1,434,573	101,581	2,095,775	3,085,455	691,981	5,873,211	40	102	51	193
100	2,225,199	1,471,174	132,621	2,357,820	3,087,241	2,035,774	7,480,835	67	121	41	229

ARL Library Data Table

	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
LIBRARY CODE NO.	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
101 +	1,400,404	76,979	68,653	548,568	16,346	3,303	3,756	7,059	2,708	2,368	5,076
102 +bLM	2,084,110	56,384	51,692	1,554,939	20,995	5,640	23,210	28,850	1,499	1,492	2,991
103 +LM	1,651,771	79,205	67,221	1,523,916	18,949	6,573	7,821	14,394	2,274	2,752	5,026
104 +LM	4,494,680	119,204	104,243	2,624,474	48,666	30,726	60,639	91,365	11,336	16,974	28,310
105 +bLM	8,192,144	153,258	147,379	2,144,124	55,801	N/A	N/A	10,611	N/A	N/A	5,240
106 +BL	1,534,400	45,453	43,664	1,510,472	19,713	3,806	3,602	7,408	2,305	1,514	3,819
107 G	5,380,464	192,129	191,875	2,616,132	15,040	13,930	2,331	16,261	314	237	551
108 +b	1,910,741	61,541	61,541	2,653,200	29,000	N/A	N/A	318,422	N/A	N/A	481
109	3,494,958	30,336	30,336	1,024,608	31,095	25,705	N/A	25,705	N/A	N/A	N/A
110 +L	20,389,914	297,740	282,848	7,041,183	150,000	22,744	6,130	28,874	409	N/A	409
111 +	567,950	16,856	16,856	919,560	16,882	18,900	51,200	70,100	29	46	75
112	1,849,065	20,450	20,450	602,000	26,500	N/A	N/A	26,621	N/A	N/A	14,600
113 +G	1,031,028	53,375	53,350	2,216,066	20,745	36,660	27,090	65,750	N/A	N/A	895
114 +	1,745,215	39,410	38,662	208,782	23,087	6,486	99,176	105,662	46	70	116
115 bG	1,391,694	11,484	11,108	232,983	6,200	0	544	544	103	N/A	103
116 +G	6,203,241	453,575	440,329	2,273,011	31,765	688	5,565	6,253	1,016	374	1,390
117 +LM	1,943,297	32,864	32,787	2,975,862	20,003	13,817	21,054	34,871	335	681	1,016
118 +	980,000	N/A	N/A	N/A	21,176	4,514	4,316	8,830	N/A	N/A	17,266

B - INCLUDES BRANCH CAMPUSES
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L - INCLUDES LAW LIBRARY
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ARL Library Data Table

	EXPENDITURES							PERSONNEL (FTE)			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
	12	13	14	15	16	17	18	19	20	21	22
101	2,114,595	N/A	51,375	2,165,970	3,222,345	360,474	5,748,789	43	148	31	222
102	2,445,405	1,252,768	98,990	2,544,395	3,952,217	1,756,508	8,253,120	68	112	50	230
103	2,953,172	1,391,179	28,287	2,981,459	4,292,219	240,786	7,514,464	56	208	54	318
104	4,014,395	2,069,812	218,050	4,232,445	8,163,935	3,011,128	15,407,508	132	234	153	519
105	4,916,200	2,100,300	279,400	5,195,600	9,760,550	2,544,300	17,500,450	176	345	74	595
106	1,953,204	935,491	126,819	2,080,023	3,543,991	891,672	6,515,686	46	134	48	228
107	4,256,161	N/A	209,000	4,465,161	8,537,846	2,548,556	15,551,563	199	320	32	551
108	5,626,680	N/A	92,621	5,719,300	4,836,420	4,936,400	15,519,121	83	140	0	223
109	852,184	219,118	0	852,184	1,053,299	574,600	2,480,083	22	34	17	73
110	6,753,617	2,124,902	1,264,957	8,018,574	141,850,000	99,302,426	249,171,000	2,699	2,400	N/A	5,099
111	1,029,372	778,120	46,896	1,076,268	977,165	186,836	2,240,269	23	17	18	58
112	1,500,000	N/A	50,000	1,550,000	4,670,431	6,362,934	12,583,365	85	86	11	182
113	2,095,058	296,907	16,459	2,111,517	11,732,138	6,985,067	20,828,722	219	321	0	540
114	2,096,540	1,471,647	202,445	2,298,985	10,636,034	16,478,687	29,413,706	212	138	22	372
115	292,786	N/A	136,463	429,249	1,927,815	1,747,450	4,104,514	54	68	N/A	122
116	4,740,417	3,160,278	282,677	5,023,094	10,202,445	2,780,890	18,006,429	190	246	58	494
117	1,720,419	1,155,052	44,999	1,765,418	3,541,949	903,731	6,211,098	77	120	0	197
118	485,000	387,900	105,000	972,900	2,509,758	983,418	4,466,076	46	62	0	108

ARL Library Data Table
Totals

COLLECTIONS					INTERLIBRARY LOANS					
					LOANED			BORROWED		
VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (NET)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
1	2	3	4	5	6	7	8	9	10	11
UNIVERSITY MEDIAN										
1,994,680	67,519	60,046	1,966,676	20,998	4,963	8,913	14,349	3,336	3,103	6,609
UNIVERSITY HIGH										
10,929,899	523,485	192,657	4,331,060	103,000	79,236	124,354	150,266	122,849	16,974	132,383
UNIVERSITY LOW										
1,130,619	28,398	(133,421)	548,568	9,465	682	889	2,534	645	232	877
TOTALS—UNIVERSITY LIBRARIES										
269,368,547	9,107,027	7,334,654	211,553,099	2,938,878	728,455	1,329,560	2,176,408	462,791	353,970	865,662
TOTALS—NON-UNIVERSITY LIBRARIES										
46,887,567	1,209,760	1,180,142	22,763,387	391,493	143,444	217,406	707,893	2,252	1,408	36,902
GRAND TOTALS—ALL ARL LIBRARIES										
316,256,114	10,316,787	8,514,796	234,316,486	3,330,371	871,899	1,546,966	2,884,301	465,043	355,378	902,564

ARL Library Data Table
Totals

EXPENDITURES							PERSONNEL (FTE)			
LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF	NON-PROF. STAFF	STUDENT ASSTS.	TOTAL STAFF
12	13	14	15	16	17	18	19	20	21	22
UNIVERSITY MEDIAN										
2,511,343	1,393,141	132,558	2,633,618	3,878,037	965,541	7,515,081	67	136	59	258
UNIVERSITY HIGH										
6,871,754	2,977,335	621,488	7,493,242	16,109,429	4,490,659	24,988,411	310	516	255	1,001
UNIVERSITY LOW										
1,183,869	434,164	28,287	1,249,549	1,648,643	112,168	3,830,915	34	50	3	114
TOTALS—UNIVERSITY LIBRARIES										
298,706,065	153,359,601	17,583,117	316,289,182	507,836,896	121,744,745	945,890,823	8,274	16,822	7,321	32,417
TOTALS—NON-UNIVERSITY LIBRARIES										
31,448,234	9,593,924	2,451,517	34,282,650	202,475,300	143,790,995	380,575,946	3,909	3,952	158	8,019
GRAND TOTALS—ALL ARL LIBRARIES										
330,154,299	162,953,525	20,034,634	350,571,832	710,312,196	265,535,740	1,326,466,769	12,183	20,774	7,479	40,436

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 106 university library members.

	Category	High	Median	Low
1.	Professional Staff as percent of Total Staff	43	25	16
2.	Nonprofessional Staff as percent of Total Staff	71	52	19
3.	Student Assistant Staff as percent of Total Staff	54	22	1
4.	Ratio of Professional to Non-professional Staff (excluding student assistants)	1.3:1	0.5:1	0.3:1
5.	Ratio of Items Loaned to Items Borrowed	21.4:1	2.1:1	0.5:1
6.	Materials Expenditures as percent of Total Operating Expenditures	48	32	22
7.	Serials Expenditures as percent of Materials Expenditures	77	53	34
8.	Salary and Wage Expenditures as percent of Total Operating Expenditures	68	52	37
9.	Ratio of Salary and Wage Expenditures to Materials Expenditures	3.0:1	1.6:1	0.8:1

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

Ph.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1985			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Alabama	81	40	11,189	502	1,677	471
Alberta	144	58	23,565	986	2,628	274
Arizona	263	92	22,150	3,472	3,098	1,712
Arizona State	98	34	26,108	5,635	2,246	1,231
Boston +	134	42	19,187	2,891	5,604	1,437
Brigham Young	50	36	22,663	3,375	1,332	430
British Columbia	134	138	21,178	1,834	2,710	429
Brown	118	29	6,869	114	1,131	38
Calif., Berkeley	1,071	92	31,007	3,527	9,100	772
Calif., Davis	230	52	19,542	0	5,129	0
Calif., Irvine	94	30	12,684	N/A	2,473	N/A
Calif., Los Angeles	424	69	31,714	1,278	7,736	75
Calif., Riverside	121	26	4,382	220	1,189	37
Calif., San Diego	150	40	13,515	320	1,604	25
Calif., Santa Barbara	131	54	16,254	341	1,983	42
Case Western Reserve	155	40	6,296	685	1,588	526
Chicago	291	80	7,426	983	4,514	874
Cincinnati	191	54	16,448	2,200	3,567	502
Colorado +	198	48	19,825	967	2,659	191
Colorado State	157	36	16,036	440	1,657	111
Columbia	399	54	14,032	1,442	9,089	1,170
Connecticut	195	66	16,502	6,474	2,311	3,667
Cornell	409	66	17,653	N/A	5,266	N/A
Dartmouth	25	10	4,530	96	935	60
Delaware	95	40	13,755	1,754	945	300
Duke	153	33	9,268	N/A	1,624	N/A
Emory	96	42	7,249	302	969	190
Florida	301	67	24,540	2,096	5,128	723
Florida State	231	65	16,240	1,939	2,012	509
Georgetown	56	17	9,330	1,329	946	659
Georgia	251	52	25,230	1,967	2,411	480
Georgia Tech	65	61	9,745	547	1,534	233
Guelph	39	80	10,869	661	878	56
Harvard	273	54	16,373	3,250	6,697	328
Hawaii	112	38	14,502	2,155	1,555	576
Houston	80	32	16,145	10,060	1,909	2,317
Howard	74	23	10,133	2,178	2,643	939
Illinois	625	94	34,760	3,123	6,469	2,179

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

PH.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1985			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Indiana	315	99	27,632	5,083	3,501	613
Iowa	268	57	23,148	2,813	3,067	1,277
Iowa State	245	63	23,198	1,566	2,103	830
Johns Hopkins	190	55	5,091	1,832	2,155	1,108
Kansas +	240	62	20,431	6,313	2,284	1,395
Kent State	52	18	14,868	1,726	1,467	462
Kentucky	104	44	15,069	4,698	1,607	1,870
Laval	108	60	20,123	3,044	3,147	684
Louisiana State	102	64	24,373	2,106	2,670	626
McGill	154	50	16,121	3,938	2,899	869
McMaster	79	26	11,276	1,468	1,205	581
Manitoba	69	36	15,806	3,803	1,741	513
Maryland +	374	72	28,396	3,811	3,102	1,322
Massachusetts	300	48	21,807	1,887	2,622	749
MIT	563	220	9,088	175	4,563	64
Miami	314	40	11,010	1,399	1,134	457
Michigan	607	125	30,539	1,795	10,117	980
Michigan State	395	113	33,958	3,435	3,324	1,760
Minnesota	495	89	35,745	9,788	8,121	400
Missouri	230	67	19,473	1,331	1,884	823
Nebraska	179	26	18,937	2,272	1,654	2,052
New Mexico +	127	35	13,842	3,716	1,585	807
New York	353	144	18,175	5,314	7,261	3,680
North Carolina	241	59	18,221	1,651	2,683	740
North Carolina State	179	42	16,758	2,995	1,125	1,128
Northwestern	303	21	12,772	1,060	3,394	499
Notre Dame	80	23	9,531	280	1,069	64
Ohio State	531	93	45,546	4,321	5,791	1,010
Oklahoma	143	75	17,408	2,819	2,311	1,252
Oklahoma State	135	39	17,664	1,392	1,443	799
Oregon	166	42	13,507	851	2,005	128
Pennsylvania	332	66	17,326	1,589	5,694	654
Pennsylvania State	341	83	47,136	4,104	3,533	626
Pittsburgh	387	71	17,848	4,541	3,439	1,930
Princeton	211	48	6,190	0	1,644	0
Purdue	389	53	27,850	1,292	3,646	446
Queen's	74	28	9,716	1,088	1,282	262
Rice	73	27	3,806	157	1,202	0

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

PH.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1985			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Rochester	157	55	7,184	590	1,907	348
Rutgers	238	52	31,377	4,046	3,859	3,001
Saskatchewan	38	N/A	13,195	1,214	971	243
South Carolina +	135	43	15,344	2,793	1,794	955
Southern California +	424	110	19,147	4,543	5,078	3,638
Southern Illinois	168	22	18,173	4,603	814	2,676
Stanford	433	74	11,739	736	4,227	501
SUNY - Albany	81	21	11,864	1,548	1,718	1,094
SUNY - Buffalo +	237	79	18,749	3,045	4,726	1,516
SUNY - Stony Brook	161	25	13,030	N/A	2,106	N/A
Syracuse +	151	97	15,100	1,981	2,147	1,346
Temple	138	83	18,354	3,473	1,536	1,252
Tennessee	196	44	19,543	2,405	2,046	705
Texas +	427	65	41,688	3,093	8,097	681
Texas A&M	298	72	32,338	1,904	6,039	555
Toronto	299	67	35,699	5,199	5,402	1,142
Tulane	49	31	8,413	1,819	1,325	576
Utah	177	60	15,154	4,604	2,305	702
Vanderbilt	153	37	8,287	251	1,902	180
Virginia	177	44	15,984	467	3,244	239
Virginia Polytechnic	197	50	20,201	1,253	2,341	712
Washington	358	62	26,944	3,240	5,132	726
Washington State	153	36	15,483	319	1,429	159
Wash. Univ., St. Louis	526	46	7,061	1,000	1,263	330
Waterloo	104	48	13,419	2,248	3,338	320
Wayne State	131	54	15,863	13,207	2,000	1,486
Western Ontario	86	31	15,712	3,164	1,843	199
Wisconsin	673	119	36,836	2,809	7,293	891
Yale +	276	51	10,315	217	5,124	137
York +	50	55	19,671	2,138	1,584	439

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the fourteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library
Table 2 - Volumes Added (Gross)
Table 3 - Total Microform Holdings
Table 4 - Current Serials
Table 5 - Professional Staff (FTE)
Table 6 - Nonprofessional Staff (FTE)
Table 7 - Total Staff (FTE)
Table 8 - Materials Expenditures
Table 9 - Materials & Binding Expenditures
Table 10 - Salaries & Wages Expenditures
Table 11 - Total Expenditures
Table 12 - Total Items Loaned
Table 13 - Total Items Borrowed
Table 14 - Current Serials Expenditures

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Alabama	73	79	93	87	78	103	95	85	86	101	101	96	93	90
Alberta	32	38	49	52	34	10	21	43	46	18	28	56	14	44
Arizona	24	18	15	24	29	27	26	15	14	31	26	8	45	16
Arizona State	52	26	46	35	55	30	42	26	27	54	41	33	5	23
Boston	82	61	38	36	59	49	45	56	52	65	60	101	19	43
Brigham Young	63	55	86	81	41	104	44	65	65	59	46	93	15	101
British Columbia	35	16	7	21	20	9	16	39	40	17	19	50	13	63
Brown	55	87	100	89	48	85	74	72	73	76	66	95	78	94
Calif., Berkeley	4	2	10	2	4	8	3	5	5	2	3	14	8	2
Calif., Davis	53	30	43	13	52	28	37	18	18	25	25	16	62	18
Calif., Irvine	105	68	85	80	87	96	89	41	39	56	56	62	44	60
Calif., Los Angeles	8	3	4	4	2	11	4	3	3	4	2	6	31	4
Calif., Riverside	103	95	97	99	105	88	99	82	80	82	85	97	39	99
Calif., San Diego	65	45	94	28	62	41	49	31	28	33	30	58	68	79
Calif., Santa Barbara	64	71	50	59	70	53	64	45	43	35	42	82	17	69
Case Western Reserve	93	106	105	101	45	102	91	102	102	90	94	9	21	88
Chicago	12	1	81	14	39	31	30	34	32	24	22	7	88	33
Cincinnati	92	98	62	68	49	60	52	58	59	45	47	23	25	57
Colorado	49	91	18	46	89	91	87	76	75	68	78	60	41	59
Colorado State	94	75	95	78	92	100	103	103	103	92	88	72	33	86

N/A - Not Available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Columbia	6	19	9	7	10	12	8	14	10	7	8	29	52	13
Connecticut	57	24	47	69	63	81	72	64	64	52	58	28	18	72
Cornell	11	15	5	9	5	6	11	11	12	12	11	25	29	N/A
Dartmouth	76	86	64	64	96	78	92	90	91	100	99	76	48	85
Delaware	68	78	89	63	93	93	98	42	42	102	87	90	100	83
Duke	19	37	91	31	26	33	39	30	31	32	33	19	79	24
Emory	58	66	83	75	71	62	71	46	48	72	62	26	72	58
Florida	33	50	19	33	24	38	17	38	37	39	34	38	40	36
Florida State	71	80	25	51	72	92	70	74	70	94	93	30	77	73
Georgetown	84	49	82	60	50	86	54	51	50	47	38	100	89	82
Georgia	37	27	12	10	40	37	40	23	23	51	43	21	80	19
Georgia Tech	59	47	54	34	81	106	106	105	105	106	105	52	103	96
Guelph	81	43	99	104	106	70	100	104	104	97	104	105	84	103
Harvard	1	7	3	1	1	1	1	1	1	1	1	20	61	1
Hawaii	51	59	32	23	61	89	75	81	78	53	65	85	105	87
Houston	95	83	20	37	67	58	55	53	56	66	61	71	51	38
Howard	90	28	36	40	19	34	22	40	41	42	21	106	106	22
Illinois	3	6	53	3	13	7	9	8	8	13	12	2	1	10
Indiana	15	11	69	27	15	19	13	21	21	22	27	13	28	42
Iowa	27	34	26	25	38	87	56	25	25	55	52	12	58	20
Iowa State	74	65	63	55	84	75	82	47	47	80	76	36	69	48
Johns Hopkins	30	57	79	65	35	29	38	52	54	43	40	54	6	54
Kansas	31	32	70	32	37	57	43	28	30	46	39	11	3	37
Kent State	80	88	96	106	100	94	94	106	106	89	95	64	32	104
Kentucky	56	100	17	48	60	59	57	61	62	70	63	45	27	47
Laval	89	67	104	97	42	25	51	98	98	30	53	70	22	100
Louisiana State	44	52	35	41	56	66	50	29	29	62	51	88	90	34
MIT	54	63	75	56	32	43	48	94	93	38	48	47	92	78
Manitoba	100	82	102	102	64	39	63	97	97	50	72	65	53	91
Maryland	66	42	31	61	36	42	34	37	36	40	36	81	101	35
Massachusetts	48	53	87	98	74	71	76	93	95	58	74	68	35	95
McGill	39	60	103	91	44	20	36	57	57	27	37	15	30	77
McMaster	99	70	98	95	101	51	85	50	55	86	82	74	42	84

N/A - Not Available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Miami	87	92	52	57	65	63	59	71	74	74	75	55	24	74
Michigan	5	12	21	6	9	13	10	7	7	9	10	31	10	5
Michigan State	23	31	48	45	43	56	35	44	44	36	35	99	87	61
Minnesota	16	21	51	15	16	32	20	19	19	11	14	1	4	14
Missouri	40	74	8	58	80	72	80	73	72	81	79	27	43	39
Nebraska	62	62	56	42	76	76	83	49	51	91	81	89	65	51
New Mexico	86	69	13	73	46	52	46	69	69	48	57	61	54	62
New York	25	46	59	26	18	26	25	24	26	21	23	73	55	21
North Carolina	21	13	33	16	14	23	24	16	15	23	20	32	91	40
North Carolina State	104	84	30	70	91	74	81	62	63	83	83	22	96	45
Northwestern	22	25	73	39	21	44	27	36	34	28	32	57	36	27
Notre Dame	72	101	101	86	98	83	101	89	88	103	102	98	83	93
Ohio State	17	22	28	29	17	22	15	9	11	19	15	17	23	9
Oklahoma	46	81	29	94	90	99	97	91	90	99	97	51	7	55
Oklahoma State	98	105	66	93	97	105	104	100	100	105	106	79	86	80
Oregon	67	93	88	74	79	97	86	67	67	93	96	84	74	71
Pennsylvania	20	23	61	30	23	40	32	54	45	26	29	77	9	50
Pennsylvania State	29	29	60	38	22	14	19	22	24	20	18	59	26	17
Pittsburgh	28	35	57	50	33	35	31	63	58	37	44	24	49	52
Princeton	18	14	58	19	28	18	23	20	20	14	17	94	6	26
Purdue	69	51	77	76	94	36	53	79	79	69	77	80	63	49
Queen's	78	76	90	88	102	47	77	87	89	79	90	104	59	89
Rice	101	94	68	103	103	101	105	101	101	104	103	49	104	92
Rochester	34	96	27	100	68	77	68	77	77	71	69	48	47	64
Rutgers	41	40	44	44	27	16	18	27	22	15	16	40	38	11
SUNY Albany	106	103	41	84	85	98	102	92	92	98	100	44	16	66
SUNY Buffalo	38	39	16	43	30	67	47	48	49	41	49	34	60	29
SUNY Stony Brook	91	85	34	79	82	68	79	75	76	60	70	46	71	67
Saskatchewan	102	102	80	105	104	65	96	99	99	85	98	103	12	97
South Carolina	45	54	39	77	66	79	84	80	82	87	91	75	64	70
Southern California	36	36	65	20	25	45	29	33	35	34	31	78	102	28
Southern Illinois	60	89	22	53	69	95	60	83	83	63	71	5	81	56
Stanford	9	8	14	12	6	5	7	4	4	3	4	42	50	6

N/A - Not Available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Syracuse	42	48	24	47	57	50	62	59	60	67	59	102	85	30
Temple	61	77	92	90	47	64	58	95	94	64	64	83	82	75
Tennessee	85	99	67	72	77	54	66	88	87	84	89	39	94	68
Texas	7	5	6	5	8	3	6	2	2	8	7	63	34	7
Texas A & M	77	64	37	71	53	48	41	32	33	57	50	10	11	32
Toronto	10	4	55	17	7	2	2	13	16	5	5	37	46	8
Tulane	79	72	76	92	83	90	93	66	66	96	80	87	56	81
Utah	43	33	45	96	86	82	78	96	96	88	92	86	20	102
Vanderbilt	75	58	84	82	58	69	61	70	71	75	73	66	57	76
Virginia	26	20	11	49	31	24	28	10	13	29	24	41	66	25
Virginia Polytechnic	88	56	2	66	75	80	90	55	53	95	68	43	98	31
Washington	14	10	1	18	12	17	14	12	9	16	13	3	76	3
Washington State	96	104	42	22	99	84	88	84	84	78	84	67	97	46
Washington, St. Louis	50	90	78	85	54	61	67	68	68	77	55	35	37	41
Waterloo	97	44	106	83	95	46	73	78	81	73	86	92	73	N/A
Wayne State	47	73	71	54	51	73	65	60	61	49	45	18	99	65
Western Ontario	70	41	72	67	73	21	33	35	38	44	54	53	75	53
Wisconsin	13	17	23	11	11	15	12	17	17	10	9	4	2	15
Yale	2	9	40	8	3	4	5	6	6	6	6	69	70	12
York	83	97	74	62	88	55	69	86	85	61	67	91	95	98

N/A - Not Available

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- over 9,000
2- 8,000-8,999
3- 7,000-7,999
4- 6,000-6,999
5- 5,000-5,999
6- 4,000-4,999
7- 3,000-3,999
8- 2,000-2,999
9- 1,000-1,999

Gp	Rank	Institution	Value
1	1	Harvard	10,929,899
2	2	Yale	8,192,144
4	3	Illinois	6,808,048
	4	Calif., Berkeley	6,610,872
5	5	Michigan	5,805,748
	6	Columbia	5,459,972
	7	Texas	5,402,357
	8	Calif., Los Angeles	5,365,264
	9	Stanford	5,318,153
	10	Toronto	5,178,677
6	11	Cornell	4,874,447
	12	Chicago	4,660,683
	13	Wisconsin	4,494,680
	14	Washington	4,416,024
	15	Indiana	4,365,624
	16	Minnesota	4,229,107
7	17	Ohio State	3,983,395
	18	Princeton	3,751,967
	19	Duke	3,458,720
	20	Pennsylvania	3,282,105
	21	North Carolina	3,184,517
	22	Northwestern	3,124,611
	23	Michigan State	3,062,867
	24	Arizona	3,049,172
8	25	New York	2,879,338
	26	Virginia	2,713,404
	27	Iowa	2,661,728
	28	Pittsburgh	2,583,597
	29	Pennsylvania State	2,556,027
	30	Johns Hopkins	2,506,132
	31	Kansas	2,485,748
	32	Alberta	2,476,532
	33	Florida	2,474,542
	34	Rochester	2,473,305
	35	British Columbia	2,465,584
	36	Southern California	2,441,102
	37	Georgia	2,415,673
	38	SUNY-Buffalo	2,310,828
	39	McGill	2,292,456
	40	Missouri	2,254,750
	41	Rutgers	2,218,913
	42	Syracuse	2,186,470
	43	Utah	2,157,104
	44	Louisiana State	2,147,840
	45	South Carolina	2,117,042
	46	Oklahoma	2,108,359
	47	Wayne State	2,084,110
	48	Massachusetts	2,068,005
	49	Colorado	2,051,953
	50	Washington, St. Louis	2,029,838
	51	Hawaii	2,013,146
	52	Arizona State	2,000,762
9	53	Calif., Davis	1,995,437
	54	MIT	1,993,922
	55	Brown	1,966,160
	56	Kentucky	1,962,733
	57	Connecticut	1,960,607
	58	Emory	1,888,061
	59	Georgia Tech	1,852,788
	60	Southern Illinois	1,844,548
	61	Temple	1,839,707
	62	Nebraska	1,773,097
	63	Brigham Young	1,744,081
	64	Calif., Santa Barbara	1,698,590
	65	Calif., San Diego	1,698,201
	66	Maryland	1,697,490
	67	Oregon	1,675,727
	68	Delaware	1,668,896
	69	Purdue	1,655,449
	70	Western Ontario	1,651,771
	71	Florida State	1,626,574
	72	Notre Dame	1,616,220
	73	Alabama	1,612,375
	74	Iowa State	1,609,802
	75	Vanderbilt	1,608,105
	76	Dartmouth	1,605,240
	77	Texas A & M	1,600,043
	78	Queen's	1,597,351
	79	Tulane	1,576,287
	80	Kent State	1,570,832
	81	Guelph	1,564,686
	82	Boston	1,546,525
	83	York	1,534,400
	84	Georgetown	1,533,577
	85	Tennessee	1,524,127
	86	New Mexico	1,514,077
	87	Miami	1,508,447
	88	Virginia Polytechnic	1,493,361
	89	Laval	1,490,743
	90	Howard	1,474,318
	91	SUNY-Stony Brook	1,473,744
	92	Cincinnati	1,469,931
	93	Case Western Reserve	1,469,190
	94	Colorado State	1,446,036
	95	Houston	1,434,745
	96	Washington State	1,418,725
	97	Waterloo	1,400,404
	98	Oklahoma State	1,398,221
	99	McMaster	1,394,824
	100	Manitoba	1,367,086
	101	Rice	1,234,034
	102	Saskatchewan	1,207,163
	103	Calif., Riverside	1,204,419
	104	North Carolina State	1,182,891
	105	Calif., Irvine	1,178,819
	106	SUNY-Albany	1,130,619

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999
6- 100,000-129,999
7- 70,000- 99,999
8- 40,000- 69,999
9- under 39,999

Gp	Rank	Institution	Value
1	1	Chicago	523,485
	2	Calif., Berkeley	301,411
2	3	Calif., Los Angeles	230,945
3	4	Toronto	202,407
	5	Texas	201,030
	6	Illinois	200,409
	7	Harvard	192,573
5	8	Stanford	159,118
	9	Yale	153,258
	10	Washington	143,277
	11	Indiana	134,406
	12	Michigan	133,971
6	13	North Carolina	128,456
	14	Princeton	121,724
	15	Cornell	121,347
	16	British Columbia	120,672
	17	Wisconsin	119,204
	18	Arizona	115,233
	19	Columbia	113,182
	20	Virginia	106,668
	21	Minnesota	105,801
	22	Ohio State	105,289
	23	Pennsylvania	103,823
	24	Connecticut	101,616
	25	Northwestern	101,153
7	26	Arizona State	99,398
	27	Georgia	99,384
	28	Howard	95,375
	29	Pennsylvania State	91,775
	30	Calif., Davis	91,181
	31	Michigan State	89,768
	32	Kansas	88,451
	33	Utah	88,170
	34	Iowa	88,085
	35	Pittsburgh	85,439
	36	Southern California	82,878
	37	Duke	82,259
	38	Alberta	81,322
	39	SUNY-Buffalo	81,186
	40	Rutgers	80,856
	41	Western Ontario	79,205
	42	Maryland	78,889
	43	Guelph	78,128
	44	Waterloo	76,979
	45	Calif., San Diego	76,857
	46	New York	76,763
	47	Georgia Tech	75,790
	48	Syracuse	72,740
	49	Georgetown	72,228
	50	Florida	70,284
8	51	Purdue	69,529
	52	Louisiana State	67,894
	53	Massachusetts	67,650
	54	South Carolina	67,387
	55	Brigham Young	67,213
	56	Virginia Polytechnic	66,413
	57	Johns Hopkins	64,915
	58	Vanderbilt	64,673
	59	Hawaii	64,309
	60	McGill	64,069
	61	Boston	62,603
	62	Nebraska	61,711
	63	MIT	61,648
	64	Texas A & M	60,933
	65	Iowa State	60,563
	66	Emory	60,454
	67	Laval	58,939
	68	Calif., Irvine	58,530
	69	New Mexico	58,241
	70	McMaster	57,414
	71	Calif., Santa Barbara	57,223
	72	Tulane	56,736
	73	Wayne State	56,384
	74	Missouri	55,371
	75	Colorado State	54,287
	76	Queen's	54,284
	77	Temple	54,269
	78	Delaware	53,849
	79	Alabama	53,632
	80	Florida State	52,001
	81	Oklahoma	50,783
	82	Manitoba	50,604
	83	Houston	50,483
	84	North Carolina State	50,390
	85	SUNY-Stony Brook	49,943
	86	Dartmouth	49,302
	87	Brown	48,429
	88	Kent State	47,963
	89	Southern Illinois	47,566
	90	Washington, St. Louis	47,519
	91	Colorado	47,491
	92	Miami	46,514
	93	Oregon	46,190
	94	Rice	45,902
	95	Calif., Riverside	45,648
	96	Rochester	45,556
	97	York	45,453
	98	Cincinnati	44,970
	99	Tennessee	44,643
	100	Kentucky	42,796
	101	Notre Dame	41,580
	102	Saskatchewan	41,028
9	103	SUNY-Albany	39,303
	104	Washington State	36,555
	105	Oklahoma State	35,046
	106	Case Western Reserve	28,398

RANK ORDER TABLE 3: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- under 1,000

Gp	Rank	Institution	Value
1	1	Washington	4,331,060
2	2	Virginia Polytechnic	3,843,784
	3	Harvard	3,728,002
	4	Calif., Los Angeles	3,601,884
	5	Cornell	3,522,702
3	6	Texas	3,403,469
	7	British Columbia	3,193,609
	8	Missouri	3,187,381
	9	Columbia	3,178,254
	10	Calif., Berkeley	3,146,663
	11	Virginia	3,132,566
	12	Georgia	3,122,764
4	13	New Mexico	2,980,951
	14	Stanford	2,920,353
	15	Arizona	2,906,485
	16	SUNY-Buffalo	2,883,232
	17	Kentucky	2,865,988
	18	Colorado	2,810,799
	19	Florida	2,743,021
	20	Houston	2,698,506
	21	Michigan	2,676,077
	22	Southern Illinois	2,665,519
	23	Wisconsin	2,624,474
	24	Syracuse	2,592,231
	25	Florida State	2,570,158
	26	Iowa	2,534,227
	27	Rochester	2,524,942
	28	Ohio State	2,520,652
5	29	Oklahoma	2,401,278
	30	North Carolina State	2,398,545
	31	Maryland	2,320,989
	32	Hawaii	2,313,410
	33	North Carolina	2,312,147
	34	SUNY-Stony Brook	2,298,341
	35	Louisiana State	2,271,965
	36	Howard	2,252,333
	37	Texas A & M	2,197,726
	38	Boston	2,189,080
	39	South Carolina	2,160,360
	40	Yale	2,144,124
	41	SUNY-Albany	2,135,826
	42	Washington State	2,127,940
	43	Calif., Davis	2,105,941
	44	Rutgers	2,098,916
	45	Utah	2,076,598
	46	Arizona State	2,075,398
	47	Connecticut	2,056,597
	48	Michigan State	2,035,637
	49	Alberta	2,029,107
	50	Calif., Santa Barbara	2,012,402
	51	Minnesota	2,003,729
6	52	Miami	1,993,180
	53	Illinois	1,991,702
	54	Georgia Tech	1,984,843
	55	Toronto	1,941,649
	56	Nebraska	1,884,591
	57	Pittsburgh	1,861,428
	58	Princeton	1,845,806
	59	New York	1,823,585
	60	Pennsylvania State	1,773,368
	61	Pennsylvania	1,771,609
	62	Cincinnati	1,743,026
	63	Iowa State	1,718,956
	64	Dartmouth	1,662,640
	65	Southern California	1,652,813
	66	Oklahoma State	1,649,923
	67	Tennessee	1,630,559
	68	Rice	1,622,898
	69	Indiana	1,614,717
	70	Kansas	1,568,027
	71	Wayne State	1,554,939
	72	Western Ontario	1,523,916
	73	Northwestern	1,519,982
	74	York	1,510,472
	75	MIT	1,500,080
7	76	Tulane	1,490,720
	77	Purdue	1,471,198
	78	Washington, St. Louis	1,464,768
	79	Johns Hopkins	1,441,756
	80	Saskatchewan	1,431,945
	81	Chicago	1,411,921
	82	Georgetown	1,390,596
	83	Emory	1,371,077
	84	Vanderbilt	1,322,472
	85	Calif., Irvine	1,322,227
	86	Brigham Young	1,311,392
	87	Massachusetts	1,309,937
	88	Oregon	1,288,562
	89	Delaware	1,263,165
	90	Queen's	1,240,185
	91	Duke	1,214,139
	92	Temple	1,173,181
	93	Alabama	1,154,801
	94	Calif., San Diego	1,120,220
	95	Colorado State	1,075,957
	96	Kent State	1,053,974
	97	Calif., Riverside	1,025,922
8	98	McMaster	990,563
	99	Guelph	927,545
	100	Brown	901,846
	101	Notre Dame	852,870
	102	Manitoba	784,176
	103	McGill	707,888
	104	Laval	619,569
	105	Case Western Reserve	597,108
	106	Waterloo	548,568

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 90,000 and over
2- 80,000-89,999
3- 70,000-79,999
4- 60,000-69,999
5- 50,000-59,999
6- 40,000-49,999
7- 30,000-39,999
8- 20,000-29,999
9- 10,000-19,999
10- under 10,000

Gp	Rank	Institution	Value
1	1	Harvard	103,000
	2	Calif., Berkeley	94,108
	3	Illinois	93,913
2	4	Calif., Los Angeles	83,804
3	5	Texas	77,478
4	6	Michigan	63,947
	7	Columbia	61,958
5	8	Yale	55,801
	9	Cornell	55,365
	10	Georgia	51,925
6	11	Wisconsin	48,666
	12	Stanford	48,573
	13	Calif., Davis	47,874
	14	Chicago	47,796
	15	Minnesota	44,714
	16	North Carolina	40,225
7	17	Toronto	39,981
	18	Washington	39,868
	19	Princeton	38,052
	20	Southern California	37,926
	21	British Columbia	35,299
	22	Washington State	33,947
	23	Hawaii	33,889
	24	Arizona	33,616
	25	Iowa	32,815
	26	New York	31,009
	27	Indiana	30,996
	28	Calif., San Diego	30,927
	29	Ohio State	30,909
8	30	Pennsylvania	29,825
	31	Duke	29,588
	32	Kansas	29,353
	33	Florida	29,079
	34	Georgia Tech	28,380
	35	Arizona State	27,803
	36	Boston	27,074
	37	Houston	27,002
	38	Pennsylvania State	26,820
	39	Northwestern	25,474
	40	Howard	24,147
	41	Louisiana State	23,840
	42	Nebraska	23,485
	43	SUNY-Buffalo	23,302
	44	Rutgers	22,893
	45	Michigan State	22,808
	46	Colorado	22,486
	47	Syracuse	22,469
	48	Kentucky	22,242
	49	Virginia	22,227
	50	Pittsburgh	22,145
	51	Florida State	22,136
	52	Alberta	21,234
	53	Southern Illinois	21,000
	54	Wayne State	20,995
	55	Iowa State	20,652
	56	MIT	20,637
	57	Miami	20,477
	58	Missouri	20,445
	59	Calif., Santa Barbara	20,237
	60	Georgetown	20,042
9	61	Maryland	19,829
	62	York	19,713
	63	Delaware	19,576
	64	Dartmouth	19,534
	65	Johns Hopkins	19,524
	66	Virginia Polytechnic	19,000
	67	Western Ontario	18,949
	68	Cincinnati	18,794
	69	Connecticut	18,634
	70	North Carolina State	18,535
	71	Texas A & M	18,053
	72	Tennessee	17,983
	73	New Mexico	17,671
	74	Oregon	17,561
	75	Emory	17,549
	76	Purdue	17,451
	77	South Carolina	17,434
	78	Colorado State	17,390
	79	SUNY-Stony Brook	17,170
	80	Calif., Irvine	16,918
	81	Brigham Young	16,722
	82	Vanderbilt	16,672
	83	Waterloo	16,346
	84	SUNY-Albany	16,243
	85	Washington, St. Louis	16,152
	86	Notre Dame	15,711
	87	Alabama	15,644
	88	Queen's	15,229
	89	Brown	15,195
	90	Temple	15,027
	91	McGill	14,660
	92	Tulane	14,652
	93	Oklahoma State	14,617
	94	Oklahoma	14,528
	95	McMaster	14,450
	96	Utah	14,348
	97	Laval	13,764
	98	Massachusetts	13,555
	99	Calif., Riverside	13,349
	100	Rochester	12,562
	101	Case Western Reserve	11,974
	102	Manitoba	11,826
	103	Rice	10,723
10	104	Guelph	9,816
	105	Saskatchewan	9,702
	106	Kent State	9,465

RANK ORDER TABLE 5: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

Gp	Rank	Institution	Value
1	1	Harvard	310
3	2	Calif., Los Angeles	190
	3	Yale	176
4	4	Calif., Berkeley	170
	5	Cornell	157
	6	Stanford	155
	7	Toronto	153
5	8	Texas	146
	9	Michigan	142
	10	Columbia	133
	11	Wisconsin	132
6	12	Washington	124
	13	Illinois	122
	14	North Carolina	114
	15	Indiana	109
	16	Minnesota	109
	17	Ohio State	109
	18	New York	108
	19	Howard	105
	20	British Columbia	104
	21	Northwestern	104
	22	Pennsylvania State	103
	23	Pennsylvania	101
7	24	Florida	98
	25	Southern California	98
	26	Duke	97
	27	Rutgers	96
	28	Princeton	95
	29	Arizona	91
	30	SUNY-Buffalo	90
	31	Virginia	89
	32	MIT	86
	33	Pittsburgh	86
	34	Alberta	83
	35	Johns Hopkins	82
	36	Maryland	82
	37	Kansas	81
	38	Iowa	79
	39	Chicago	77
	40	Georgia	76
	41	Brigham Young	75
	42	Laval	75
8	43	Michigan State	74
	44	McGill	73
	45	Case Western Reserve	72
	46	New Mexico	70
	47	Temple	69
	48	Brown	68
	49	Cincinnati	68
	50	Georgetown	68
	51	Wayne State	68
	52	Calif., Davis	67
	53	Texas A & M	67
	54	Washington, St. Louis	67
	55	Arizona State	66
	56	Louisiana State	66
	57	Syracuse	65
	58	Vanderbilt	65
	59	Boston	64
	60	Kentucky	64
	61	Hawaii	62
	62	Calif., San Diego	61
	63	Connecticut	61
	64	Manitoba	61
	65	Miami	60
	66	South Carolina	60
	67	Houston	57
	68	Rochester	57
	69	Southern Illinois	57
	70	Calif., Santa Barbara	56
	71	Emory	56
	72	Florida State	56
	73	Western Ontario	56
	74	Massachusetts	55
	75	Virginia Polytechnic	55
	76	Nebraska	54
	77	Tennessee	54
	78	Alabama	52
	79	Oregon	51
	80	Missouri	50
9	81	Georgia Tech	49
	82	SUNY-Stony Brook	49
	83	Tulane	49
	84	Iowa State	48
	85	SUNY-Albany	48
	86	Utah	48
	87	Calif., Irvine	46
	88	York	46
	89	Colorado	45
	90	Oklahoma	45
	91	North Carolina State	44
	92	Colorado State	43
	93	Delaware	43
	94	Purdue	43
	95	Waterloo	43
	96	Dartmouth	41
	97	Oklahoma State	41
	98	Notre Dame	40
	99	Washington State	40
	100	Kent State	39
	101	McMaster	39
	102	Queen's	39
	103	Rice	38
	104	Saskatchewan	36
	105	Calif., Riverside	34
	106	Guelph	34

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 450 and over
2- 400-449
3- 350-399
4- 300-349
5- 250-299
6- 200-249
7- 150-199
8- 100-149
9- 50- 99

Gp	Rank	Institution	Value
1	1	Harvard	516
	2	Toronto	478
3	3	Texas	373
4	4	Yale	345
	5	Stanford	340
	6	Cornell	300
5	7	Illinois	298
	8	Calif., Berkeley	296
	9	British Columbia	285
	10	Alberta	282
	11	Calif., Los Angeles	282
	12	Columbia	280
	13	Michigan	270
	14	Pennsylvania State	254
6	15	Wisconsin	234
	16	Rutgers	232
	17	Washington	232
	18	Princeton	229
	19	Indiana	209
	20	McGill	209
	21	Western Ontario	208
	22	Ohio State	203
7	23	North Carolina	196
	24	Virginia	194
	25	Laval	188
	26	New York	188
	27	Arizona	183
	28	Calif., Davis	182
	29	Johns Hopkins	179
	30	Arizona State	173
	31	Chicago	173
	32	Minnesota	172
	33	Duke	171
	34	Howard	170
	35	Pittsburgh	166
	36	Purdue	165
	37	Georgia	163
	38	Florida	159
	39	Manitoba	156
	40	Pennsylvania	156
	41	Calif., San Diego	155
	42	Maryland	150
	43	MIT	150
8	44	Northwestern	149
	45	Southern California	149
	46	Waterloo	148
	47	Queen's	147
	48	Texas A & M	146
	49	Boston	144
	50	Syracuse	141
	51	McMaster	140
	52	New Mexico	140
	53	Calif., Santa Barbara	137
	54	Tennessee	134
	55	York	134
	56	Michigan State	133
	57	Kansas	128
	58	Houston	126
	59	Kentucky	123
	60	Cincinnati	122
	61	Washington, St. Louis	121
	62	Emory	119
	63	Miami	119
	64	Temple	119
	65	Saskatchewan	118
	66	Louisiana State	117
	67	SUNY-Buffalo	117
	68	SUNY-Stony Brook	116
	69	Vanderbilt	116
	70	Guelph	115
	71	Massachusetts	115
	72	Missouri	113
	73	Wayne State	112
	74	North Carolina State	110
	75	Iowa State	108
	76	Nebraska	107
	77	Rochester	107
	78	Dartmouth	105
	79	South Carolina	105
	80	Virginia Polytechnic	105
	81	Connecticut	103
	82	Utah	103
	83	Notre Dame	102
	84	Washington State	102
	85	Brown	101
	86	Georgetown	100
	87	Iowa	100
9	88	Calif., Riverside	99
	89	Hawaii	98
	90	Tulane	98
	91	Colorado	96
	92	Florida State	95
	93	Delaware	94
	94	Kent State	93
	95	Southern Illinois	93
	96	Calif., Irvine	92
	97	Oregon	87
	98	SUNY-Albany	85
	99	Oklahoma	82
	100	Colorado State	80
	101	Rice	72
	102	Case Western Reserve	70
	103	Alabama	67
	104	Brigham Young	56
	105	Oklahoma State	55
	106	Georgia Tech	50

RANK ORDER TABLE 7: TOTAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 650 and over	7- 350-399
2- 600-649	8- 300-349
3- 550-599	9- 250-299
4- 500-549	10- 200-249
5- 450-499	11- 150-199
6- 400-449	12- 100-149

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Harvard	1,001		52	Cincinnati	262
	2	Toronto	727		53	Purdue	259
	3	Calif., Berkeley	721		54	Georgetown	257
	4	Calif., Los Angeles	692		55	Houston	252
					56	Iowa	251
3	5	Yale	595		57	Kentucky	251
	6	Texas	593		58	Temple	250
	7	Stanford	587				
	8	Columbia	553	10	59	Miami	246
	9	Illinois	551		60	Southern Illinois	245
					61	Vanderbilt	244
4	10	Michigan	543		62	Syracuse	243
	11	Cornell	533		63	Manitoba	239
	12	Wisconsin	519		64	Calif., Santa Barbara	236
					65	Wayne State	230
5	13	Indiana	494		66	Tennessee	229
	14	Washington	483		67	Washington, St. Louis	229
	15	Ohio State	467		68	Rochester	228
					69	York	228
6	16	British Columbia	437		70	Florida State	226
	17	Florida	430		71	Emory	223
	18	Rutgers	429		72	Connecticut	222
	19	Pennsylvania State	424		73	Waterloo	222
	20	Minnesota	412		74	Brown	220
					75	Hawaii	220
7	21	Alberta	398		76	Massachusetts	218
	22	Howard	396		77	Queen's	216
	23	Princeton	385		78	Utah	215
	24	North Carolina	383		79	SUNY-Stony Brook	213
	25	New York	366		80	Missouri	211
	26	Arizona	362		81	North Carolina State	208
					82	Iowa State	205
8	27	Northwestern	348		83	Nebraska	203
	28	Virginia	339				
	29	Southern California	338	11	84	South Carolina	199
	30	Chicago	334		85	McMaster	197
	31	Pittsburgh	328		86	Oregon	195
	32	Pennsylvania	319		87	Colorado	193
	33	Western Ontario	318		88	Washington State	193
	34	Maryland	317		89	Calif., Irvine	192
	35	Michigan State	317		90	Virginia Polytechnic	192
	36	McGill	316		91	Case Western Reserve	183
	37	Calif., Davis	308		92	Dartmouth	180
	38	Johns Hopkins	303		93	Tulane	178
	39	Duke	302		94	Kent State	177
	40	Georgia	301		95	Alabama	176
					96	Saskatchewan	173
9	41	Texas A & M	293		97	Oklahoma	170
	42	Arizona State	292		98	Delaware	166
	43	Kansas	290		99	Calif., Riverside	165
	44	Brigham Young	288		100	Guelph	164
	45	Boston	284		101	Notre Dame	159
	46	New Mexico	281		102	SUNY-Albany	158
	47	SUNY-Buffalo	278		103	Colorado State	152
	48	MIT	275		104	Oklahoma State	150
	49	Calif., San Diego	272				
	50	Louisiana State	271	12	105	Rice	131
	51	Laval	266		106	Georgia Tech	114

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 5,500 and over
2- 5,000-5,499
3- 4,500-4,999
4- 4,000-4,499
5- 3,500-3,999
6- 3,000-3,499
7- 2,500-2,999
8- 2,000-2,499
9- 1,500-1,999
10- 1,000-1,499

Gp	Rank	Institution	Value
1	1	Harvard	6,871,754
	2	Texas	6,539,296
	3	Calif., Los Angeles	5,849,917
	4	Stanford	5,754,736
2	5	Calif., Berkeley	5,115,266
3	6	Yale	4,916,200
	7	Michigan	4,734,897
	8	Illinois	4,724,114
4	9	Ohio State	4,386,886
	10	Virginia	4,345,772
	11	Cornell	4,331,291
	12	Washington	4,311,786
	13	Toronto	4,292,215
	14	Columbia	4,260,392
	15	Arizona	4,256,069
	16	North Carolina	4,222,600
	17	Wisconsin	4,014,395
5	18	Calif., Davis	3,703,014
	19	Minnesota	3,570,053
	20	Princeton	3,557,309
	21	Indiana	3,515,523
6	22	Pennsylvania State	3,475,783
	23	Georgia	3,473,006
	24	New York	3,413,364
	25	Iowa	3,406,656
	26	Arizona State	3,401,502
	27	Rutgers	3,356,846
	28	Kansas	3,132,388
	29	Louisiana State	3,128,755
	30	Duke	3,102,947
	31	Calif., San Diego	3,093,398
	32	Texas A & M	3,046,940
7	33	Southern California	2,993,179
	34	Chicago	2,979,870
	35	Western Ontario	2,953,172
	36	Northwestern	2,946,886
	37	Maryland	2,944,272
	38	Florida	2,930,847
	39	British Columbia	2,815,287
	40	Howard	2,809,576
	41	Calif., Irvine	2,779,486
	42	Delaware	2,756,606
	43	Alberta	2,686,758
	44	Michigan State	2,681,414
	45	Calif., Santa Barbara	2,672,877
	46	Emory	2,625,957
	47	Iowa State	2,603,083
	48	SUNY-Buffalo	2,588,461
	49	Nebraska	2,579,096
	50	McMaster	2,556,493
	51	Georgetown	2,556,310
	52	Johns Hopkins	2,553,488
	53	Houston	2,512,676
	54	Pennsylvania	2,510,010
	55	Virginia Polytechnic	2,504,900
	56	Boston	2,500,588
8	57	McGill	2,449,701
	58	Cincinnati	2,448,460
	59	Syracuse	2,446,463
	60	Wayne State	2,445,405
	61	Kentucky	2,436,446
	62	North Carolina State	2,416,359
	63	Pittsburgh	2,409,894
	64	Connecticut	2,398,835
	65	Brigham Young	2,349,046
	66	Tulane	2,315,684
	67	Oregon	2,312,004
	68	Washington, St. Louis	2,225,199
	69	New Mexico	2,208,927
	70	Vanderbilt	2,184,547
	71	Miami	2,155,494
	72	Brown	2,146,428
	73	Missouri	2,146,421
	74	Florida State	2,145,212
	75	SUNY-Stony Brook	2,142,329
	76	Colorado	2,127,094
	77	Rochester	2,126,472
	78	Waterloo	2,114,595
	79	Purdue	2,108,762
	80	South Carolina	2,052,027
	81	Hawaii	2,045,989
	82	Calif., Riverside	2,044,019
	83	Southern Illinois	2,015,648
9	84	Washington State	1,994,194
	85	Alabama	1,974,188
	86	York	1,953,204
	87	Queen's	1,949,775
	88	Tennessee	1,947,757
	89	Notre Dame	1,940,222
	90	Dartmouth	1,910,428
	91	Oklahoma	1,894,874
	92	SUNY-Albany	1,876,474
	93	Massachusetts	1,810,616
	94	MIT	1,810,512
	95	Temple	1,797,813
	96	Utah	1,767,976
	97	Manitoba	1,758,701
	98	Laval	1,723,580
	99	Saskatchewan	1,715,476
	100	Oklahoma State	1,652,902
	101	Rice	1,647,554
	102	Case Western Reserve	1,553,096
10	103	Colorado State	1,416,294
	104	Guelph	1,353,278
	105	Georgia Tech	1,309,460
	106	Kent State	1,183,869

RANK ORDER TABLE 9: MATERIALS AND BINDING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 5,500 and over	6- 3,000-3,499
2- 5,000-5,499	7- 2,500-2,999
3- 4,500-4,999	8- 2,000-2,499
4- 4,000-4,499	9- 1,500-1,999
5- 3,500-3,999	10- 1,000-1,499

Gp	Rank	Institution	Value
1	1	Harvard	7,493,242
	2	Texas	6,721,683
	3	Calif., Los Angeles	6,463,779
	4	Stanford	6,105,880
	5	Calif., Berkeley	5,635,016
2	6	Yale	5,195,600
	7	Michigan	5,010,142
3	8	Illinois	4,952,017
	9	Washington	4,684,970
	10	Columbia	4,653,242
	11	Ohio State	4,598,760
	12	Cornell	4,570,526
	13	Virginia	4,555,402
	14	Arizona	4,513,443
4	15	North Carolina	4,478,662
	16	Toronto	4,475,403
	17	Wisconsin	4,232,445
	18	Calif., Davis	4,048,106
5	19	Minnesota	3,951,635
	20	Princeton	3,809,100
	21	Indiana	3,725,924
	22	Rutgers	3,712,539
	23	Georgia	3,712,189
	24	Pennsylvania State	3,701,269
	25	Iowa	3,642,048
	26	New York	3,619,759
	27	Arizona State	3,567,687
6	28	Calif., San Diego	3,333,733
	29	Louisiana State	3,313,913
	30	Kansas	3,304,309
	31	Duke	3,292,906
	32	Chicago	3,226,493
	33	Texas A & M	3,159,883
	34	Northwestern	3,149,487
	35	Southern California	3,133,162
	36	Maryland	3,098,066
	37	Florida	3,043,094
7	38	Western Ontario	2,981,459
	39	Calif., Irvine	2,970,953
	40	British Columbia	2,950,234
	41	Howard	2,926,406
	42	Delaware	2,909,714
	43	Calif., Santa Barbara	2,888,445
	44	Michigan State	2,867,856
	45	Pennsylvania	2,790,324
	46	Alberta	2,786,480
	47	Iowa State	2,756,807
	48	Emory	2,742,913
	49	SUNY-Buffalo	2,722,316
	50	Georgetown	2,709,393
	51	Nebraska	2,695,326
	52	Boston	2,654,423
	53	Virginia Polytechnic	2,637,200
	54	Johns Hopkins	2,630,036
	55	McMaster	2,626,128
	56	Houston	2,621,120
	57	McGill	2,582,196
	58	Pittsburgh	2,578,977
	59	Cincinnati	2,576,535
	60	Syracuse	2,549,334
	61	Wayne State	2,544,395
	62	Kentucky	2,542,947
	63	North Carolina State	2,538,679
	64	Connecticut	2,537,578
8	65	Brigham Young	2,431,344
	66	Tulane	2,417,241
	67	Oregon	2,412,217
	68	Washington, St. Louis	2,357,820
	69	New Mexico	2,338,307
	70	Florida State	2,296,585
	71	Vanderbilt	2,293,373
	72	Missouri	2,288,292
	73	Brown	2,285,538
	74	Miami	2,254,114
	75	Colorado	2,249,002
	76	SUNY-Stony Brook	2,231,479
	77	Rochester	2,230,029
	78	Hawaii	2,222,410
	79	Purdue	2,198,695
	80	Calif., Riverside	2,197,672
	81	Waterloo	2,165,970
	82	South Carolina	2,158,210
	83	Southern Illinois	2,140,668
	84	Washington State	2,095,775
	85	York	2,080,023
	86	Alabama	2,073,297
	87	Tennessee	2,061,598
	88	Notre Dame	2,039,014
	89	Queen's	2,037,343
9	90	Oklahoma	1,975,605
	91	Dartmouth	1,972,947
	92	SUNY-Albany	1,947,474
	93	MIT	1,935,561
	94	Temple	1,915,118
	95	Massachusetts	1,878,036
	96	Utah	1,876,338
	97	Manitoba	1,846,066
	98	Laval	1,788,761
	99	Saskatchewan	1,782,045
	100	Oklahoma State	1,721,559
	101	Rice	1,695,691
	102	Case Western Reserve	1,624,685
	103	Colorado State	1,509,931
10	104	Guelph	1,415,037
	105	Georgia Tech	1,395,075
	106	Kent State	1,249,549

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 10,000 and over	6- 5,000-5,999
2- 9,000-9,999	7- 4,000-4,999
3- 8,000-8,999	8- 3,000-3,999
4- 7,000-7,999	9- 2,000-2,999
5- 6,000-6,999	10 1,000-1,999

Gp	Rank	Institution	Value
1	1	Harvard	16,109,429
	2	Calif., Berkeley	14,751,484
	3	Stanford	13,196,374
	4	Calif., Los Angeles	13,129,007
	5	Toronto	11,977,770
2	6	Yale	9,760,550
	7	Columbia	9,195,626
	8	Texas	9,161,771
3	9	Michigan	8,266,986
	10	Wisconsin	8,163,935
4	11	Minnesota	7,947,433
	12	Cornell	7,859,142
	13	Illinois	7,845,131
	14	Princeton	7,724,797
	15	Rutgers	7,709,873
	16	Washington	7,682,662
	17	British Columbia	7,459,179
5	18	Alberta	6,983,390
	19	Ohio State	6,964,343
	20	Pennsylvania State	6,667,337
	21	New York	6,490,290
	22	Indiana	6,140,882
6	23	North Carolina	5,961,916
	24	Chicago	5,947,326
	25	Calif., Davis	5,848,301
	26	Pennsylvania	5,767,447
	27	McGill	5,722,221
	28	Northwestern	5,511,422
	29	Virginia	5,317,721
	30	Laval	5,148,173
	31	Arizona	5,131,403
7	32	Duke	4,945,550
	33	Calif., San Diego	4,909,975
	34	Southern California	4,809,760
	35	Calif., Santa Barbara	4,799,375
	36	Michigan State	4,782,299
	37	Pittsburgh	4,731,569
	38	MIT	4,717,818
	39	Florida	4,633,069
	40	Maryland	4,480,279
	41	SUNY-Buffalo	4,461,923
	42	Howard	4,436,337
	43	Johns Hopkins	4,369,024
	44	Western Ontario	4,292,219
	45	Cincinnati	4,264,431
	46	Kansas	4,155,983
	47	Georgetown	4,070,257
	48	New Mexico	4,053,926
8	49	Wayne State	3,952,217
	50	Manitoba	3,942,941
	51	Georgia	3,905,394
	52	Connecticut	3,904,812
	53	Hawaii	3,889,143
	54	Arizona State	3,866,930
	55	Iowa	3,838,812
	56	Calif., Irvine	3,795,603
	57	Texas A & M	3,742,768
	58	Massachusetts	3,730,377
	59	Brigham Young	3,721,083
	60	SUNY-Stony Brook	3,560,520
	61	York	3,543,991
	62	Louisiana State	3,540,851
	63	Southern Illinois	3,502,039
	64	Temple	3,501,878
	65	Boston	3,483,003
	66	Houston	3,459,541
	67	Syracuse	3,421,719
	68	Colorado	3,397,997
	69	Purdue	3,328,945
	70	Kentucky	3,303,522
	71	Rochester	3,282,857
	72	Emory	3,223,140
	73	Waterloo	3,222,345
	74	Miami	3,219,713
	75	Vanderbilt	3,150,862
	76	Brown	3,146,380
	77	Washington, St. Louis	3,087,241
	78	Washington State	3,085,455
	79	Queen's	3,070,704
	80	Iowa State	3,069,867
	81	Missouri	3,004,588
9	82	Calif., Riverside	2,996,239
	83	North Carolina State	2,988,139
	84	Tennessee	2,980,753
	85	Saskatchewan	2,960,196
	86	McMaster	2,928,999
	87	South Carolina	2,870,037
	88	Utah	2,814,118
	89	Kent State	2,792,052
	90	Case Western Reserve	2,775,158
	91	Nebraska	2,765,573
	92	Colorado State	2,732,314
	93	Oregon	2,713,883
	94	Florida State	2,712,490
	95	Virginia Polytechnic	2,654,800
	96	Tulane	2,653,864
	97	Guelph	2,563,045
	98	SUNY-Albany	2,555,819
	99	Oklahoma	2,470,631
	100	Dartmouth	2,385,011
	101	Alabama	2,374,957
	102	Delaware	2,308,804
	103	Notre Dame	2,250,814
10	104	Rice	1,909,933
	105	Oklahoma State	1,676,271
	106	Georgia Tech	1,648,643

RANK ORDER TABLE 11: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 16,000 and over	8- 9,000-9,999
2- 15,000-15,999	9- 8,000-8,999
3- 14,000-14,999	10- 7,000-7,999
4- 13,000-13,999	11- 6,000-6,999
5- 12,000-12,999	12- 5,000-5,999
6- 11,000-11,999	13- 4,000-4,999
7- 10,000-10,999	14- 3,000-3,999

Gp	Rank	Institution	Value
1	1	Harvard	24,988,411
	2	Calif., Los Angeles	23,909,618
	3	Calif., Berkeley	23,172,799
	4	Stanford	22,021,776
	5	Toronto	17,884,658
	6	Yale	17,500,450
	7	Texas	17,341,737
	8	Columbia	16,219,255
2	9	Wisconsin	15,407,508
	10	Michigan	15,043,241
3	11	Cornell	14,670,772
	12	Illinois	14,412,701
	13	Washington	14,064,173
4	14	Minnesota	13,830,957
	15	Ohio State	13,795,034
5	16	Rutgers	12,971,027
	17	Princeton	12,603,020
	18	Pennsylvania State	12,158,294
6	19	British Columbia	11,944,972
	20	North Carolina	11,904,851
	21	Howard	11,853,402
	22	Chicago	11,438,363
	23	New York	11,211,034
	24	Virginia	11,205,420
	25	Calif., Davis	11,050,200
7	26	Arizona	10,845,010
	27	Indiana	10,833,334
	28	Alberta	10,789,935
	29	Pennsylvania	10,377,417
8	30	Calif., San Diego	9,999,374
	31	Southern California	9,749,607
	32	Northwestern	9,732,283
9	33	Duke	8,987,554
	34	Florida	8,955,294
	35	Michigan State	8,931,867
	36	Maryland	8,924,714
	37	McGill	8,838,712
	38	Georgetown	8,765,504
	39	Kansas	8,729,853
	40	Johns Hopkins	8,642,380
	41	Arizona State	8,604,453
	42	Calif., Santa Barbara	8,579,806
	43	Georgia	8,295,813
	44	Pittsburgh	8,281,920
	45	Wayne State	8,253,120
	46	Brigham Young	8,162,983
	47	Cincinnati	8,160,766
	48	MIT	8,128,492
	49	SUNY-Buffalo	8,113,720
10	50	Texas A & M	7,985,513
	51	Louisiana State	7,952,084
	52	Iowa	7,885,305
	53	Laval	7,515,697
	54	Western Ontario	7,514,464
	55	Washington, St. Louis	7,480,835
	56	Calif., Irvine	7,470,982
	57	New Mexico	7,230,942
	58	Connecticut	7,160,539
	59	Syracuse	7,157,503
	60	Boston	7,083,954
11	61	Houston	6,932,312
	62	Emory	6,879,872
	63	Kentucky	6,802,983
	64	Temple	6,626,346
	65	Hawaii	6,554,564
	66	Brown	6,526,045
	67	York	6,515,686
	68	Virginia Polytechnic	6,502,600
	69	Rochester	6,477,439
	70	SUNY-Stony Brook	6,424,175
	71	Southern Illinois	6,397,114
	72	Manitoba	6,379,619
	73	Vanderbilt	6,246,285
	74	Massachusetts	6,242,017
	75	Miami	6,227,698
	76	Iowa State	6,188,827
	77	Purdue	6,183,812
	78	Colorado	6,071,049
	79	Missouri	6,028,612
12	80	Tulane	5,998,028
	81	Nebraska	5,959,578
	82	McMaster	5,943,163
	83	North Carolina State	5,929,375
	84	Washington State	5,873,211
	85	Calif., Riverside	5,766,057
	86	Waterloo	5,748,789
	87	Delaware	5,643,834
	88	Colorado State	5,458,964
	89	Tennessee	5,434,336
	90	Queen's	5,433,609
	91	South Carolina	5,414,136
	92	Utah	5,343,193
	93	Florida State	5,313,920
	94	Case Western Reserve	5,279,513
	95	Kent State	5,239,176
	96	Oregon	5,238,268
	97	Oklahoma	5,197,249
	98	Saskatchewan	5,088,358
	99	Dartmouth	5,072,300
13	100	SUNY-Albany	4,966,301
	101	Alabama	4,935,543
	102	Notre Dame	4,616,284
	103	Rice	4,247,855
	104	Guelph	4,120,152
14	105	Georgia Tech	3,866,249
	106	Oklahoma State	3,830,915

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 50,000 and over
2- 45,000-49,999
3- 40,000-44,999
4- 35,000-39,999
5- 30,000-34,999
6- 25,000-29,999
7- 20,000-24,999
8- 15,000-19,999
9- 10,000-14,999
10- 5,000- 9,999
11- under 5,000

Gp	Rank	Institution	Value
1	1	Minnesota	150,266
	2	Illinois	119,420
	3	Washington	106,519
	4	Wisconsin	91,365
2	5	Southern Illinois	46,791
	6	Calif., Los Angeles	46,055
3	7	Chicago	41,282
4	8	Arizona	37,678
	9	Case Western Reserve	37,337
	10	Texas A & M	36,343
	11	Kansas	35,593
5	12	Iowa	34,632
	13	Indiana	32,954
	14	Calif., Berkeley	31,609
	15	McGill	31,508
	16	Calif., Davis	30,547
	17	Ohio State	30,468
6	18	Wayne State	28,850
	19	Duke	28,476
	20	Harvard	27,806
	21	Georgia	27,033
	22	North Carolina State	26,842
	23	Cincinnati	26,383
	24	Pittsburgh	26,277
	25	Cornell	25,627
7	26	Emory	24,870
	27	Missouri	23,593
	28	Connecticut	23,371
	29	Columbia	22,463
	30	Florida State	21,179
	31	Michigan	20,496
	32	North Carolina	20,240
	33	Arizona State	20,195
	34	SUNY-Buffalo	20,019
8	35	Washington, St. Louis	19,721
	36	Iowa State	19,440
	37	Toronto	19,301
	38	Florida	18,987
	39	Tennessee	18,974
	40	Rutgers	18,733
	41	Virginia	18,663
	42	Stanford	18,281
	43	Virginia Polytechnic	17,808
	44	SUNY-Albany	17,536
	45	Kentucky	17,456
	46	SUNY-Stony Brook	17,319
	47	MIT	17,316
	48	Rochester	17,310
	49	Rice	16,094
	50	British Columbia	15,724
	51	Oklahoma	15,407
	52	Georgia Tech	15,299
9	53	Western Ontario	14,394
	54	Johns Hopkins	14,304
	55	Miami	13,577
	56	Alberta	13,456
	57	Northwestern	13,213
	58	Calif., San Diego	13,109
	59	Pennsylvania State	12,293
	60	Colorado	12,204
	61	New Mexico	12,203
	62	Calif., Irvine	11,934
	63	Texas	11,876
	64	Kent State	11,360
	65	Manitoba	11,082
	66	Vanderbilt	10,992
	67	Washington State	10,944
	68	Massachusetts	10,941
	69	Yale	10,611
	70	Laval	10,409
	71	Houston	10,334
	72	Colorado State	10,257
	73	New York	10,248
	74	McMaster	10,224
	75	South Carolina	10,139
	76	Dartmouth	10,070
10	77	Pennsylvania	9,758
	78	Southern California	9,662
	79	Oklahoma State	9,585
	80	Purdue	9,579
	81	Maryland	9,550
	82	Calif., Santa Barbara	9,507
	83	Temple	9,139
	84	Oregon	9,124
	85	Hawaii	9,020
	86	Utah	8,665
	87	Tulane	8,511
	88	Louisiana State	8,290
	89	Nebraska	8,154
	90	Delaware	8,019
	91	York	7,408
	92	Waterloo	7,059
	93	Brigham Young	7,051
	94	Princeton	6,985
	95	Brown	6,854
	96	Alabama	6,823
	97	Calif., Riverside	6,823
	98	Notre Dame	6,674
	99	Michigan State	6,274
	100	Georgetown	6,238
	101	Boston	6,050
	102	Syracuse	5,926
	103	Saskatchewan	5,155
	104	Queen's	5,079
11	105	Guelph	3,282
	106	Howard	2,534

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 18,000 and over
2- 16,000-17,999
3- 14,000-15,999
4- 12,000-13,999
5- 10,000-11,999
6- 8,000-9,999
7- 6,000-7,999
8- 4,000-5,999
9- 2,000-3,999
10- under 2,000

Gp	Rank	Institution	Value
1	1	Illinois	132,383
	2	Wisconsin	28,310
2	3	Kansas	17,041
3	4	Minnesota	15,552
4	5	Arizona State	13,461
	6	Johns Hopkins	13,322
	7	Oklahoma	12,660
	8	Calif., Berkeley	12,289
5	9	Pennsylvania	11,782
	10	Michigan	11,603
	11	Texas A & M	11,161
	12	Saskatchewan	10,564
6	13	British Columbia	9,645
	14	Alberta	9,600
	15	Brigham Young	9,526
	16	SUNY-Albany	9,264
	17	Calif., Santa Barbara	9,191
	18	Connecticut	9,085
	19	Boston	9,027
	20	Utah	8,996
	21	Case Western Reserve	8,937
	22	Laval	8,905
	23	Ohio State	8,893
	24	Miami	8,876
	25	Cincinnati	8,736
	26	Pennsylvania State	8,694
	27	Kentucky	8,645
	28	Indiana	8,608
	29	Cornell	8,596
	30	McGill	8,401
	31	Calif., Los Angeles	8,293
	32	Kent State	8,196
	33	Colorado State	8,188
	34	Texas	8,177
	35	Massachusetts	8,130
	36	Northwestern	8,124
	37	Washington, St. Louis	8,067
	38	Rutgers	8,033
7	39	Calif., Riverside	7,977
	40	Florida	7,770
	41	Colorado	7,457
	42	McMaster	7,451
	43	Missouri	7,287
	44	Calif., Irvine	7,216
	45	Arizona	7,175
	46	Toronto	6,949
	47	Rochester	6,912
	48	Dartmouth	6,812
	49	Pittsburgh	6,768
	50	Stanford	6,734
	51	Houston	6,732
	52	Columbia	6,705
	53	Manitoba	6,693
	54	New Mexico	6,525
	55	New York	6,490
	56	Tulane	6,479
	57	Vanderbilt	6,427
	58	Iowa	6,173
	59	Queen's	6,117
	60	SUNY-Buffalo	6,022
8	61	Harvard	5,988
	62	Calif., Davis	5,984
	63	Purdue	5,975
	64	South Carolina	5,867
	65	Nebraska	5,748
	66	Virginia	5,639
	67	Princeton	5,494
	68	Calif., San Diego	5,418
	69	Iowa State	5,293
	70	Yale	5,240
	71	SUNY-Stony Brook	5,120
	72	Emory	5,094
	73	Waterloo	5,076
	74	Oregon	5,066
	75	Western Ontario	5,026
	76	Washington	4,983
	77	Florida State	4,859
	78	Brown	4,799
	79	Duke	4,790
	80	Georgia	4,722
	81	Southern Illinois	4,692
	82	Temple	4,654
	83	Notre Dame	4,542
	84	Guelph	4,433
	85	Syracuse	4,384
	86	Oklahoma State	4,327
	87	Michigan State	4,304
	88	Chicago	4,286
	89	Georgetown	4,218
	90	Louisiana State	4,178
	91	North Carolina	4,109
9	92	MIT	3,998
	93	Alabama	3,924
	94	Tennessee	3,822
	95	York	3,819
	96	North Carolina State	3,419
	97	Washington State	3,269
	98	Virginia Polytechnic	3,149
	99	Wayne State	2,991
	100	Delaware	2,972
	101	Maryland	2,564
	102	Southern California	2,325
	103	Georgia Tech	2,223
	104	Rice	2,126
	105	Hawaii	2,044
10	106	Howard	877

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 2,700 and over
2- 2,500-2,699
3- 2,300-2,299
4- 2,000-2,299
5- 1,900-2,099
6- 1,700-1,899
7- 1,500-1,699
8- 1,300-1,499
9- 1,100-1,299
10- 900-1,099
11- 700- 899
12- under 700

Gp	Rank	Institution	Value
1	1	Harvard	2,977,335
	2	Calif., Berkeley	2,721,203
2	3	Washington	2,603,022
	4	Calif., Los Angeles	2,586,502
3	5	Michigan	2,357,692
	6	Stanford	2,352,273
4	7	Texas	2,253,255
	8	Toronto	2,224,475
	9	Ohio State	2,224,360
	10	Illinois	2,224,088
	11	Rutgers	2,124,334
	12	Yale	2,100,300
5	13	Columbia	2,096,101
	14	Minnesota	2,094,781
	15	Wisconsin	2,069,812
	16	Arizona	2,068,870
	17	Pennsylvania State	2,020,659
	18	Calif., Davis	1,994,015
	19	Georgia	1,929,924
	20	Iowa	1,917,810
6	21	New York	1,861,619
	22	Howard	1,826,091
	23	Arizona State	1,791,653
	24	Duke	1,724,267
	25	Virginia	1,704,589
7	26	Princeton	1,664,817
	27	Northwestern	1,664,654
	28	Southern California	1,663,815
	29	SUNY-Buffalo	1,661,250
	30	Syracuse	1,619,024
	31	Virginia Polytechnic	1,613,900
	32	Texas A & M	1,604,903
	33	Chicago	1,591,068
	34	Louisiana State	1,575,166
	35	Maryland	1,520,743
	36	Florida	1,518,331
	37	Kansas	1,509,435
8	38	Houston	1,489,557
	39	Missouri	1,485,354
	40	North Carolina	1,481,752
	41	Washington, St. Louis	1,471,174
	42	Indiana	1,470,769
	43	Boston	1,468,437
	44	Alberta	1,454,286
	45	North Carolina State	1,453,408
	46	Washington State	1,434,573
	47	Kentucky	1,422,936
	48	Iowa State	1,417,728
	49	Purdue	1,417,392
	50	Pennsylvania	1,410,059
	51	Nebraska	1,410,014
	52	Pittsburgh	1,395,103
	53	Western Ontario	1,391,179
	54	Johns Hopkins	1,378,969
	55	Oklahoma	1,368,223
	56	Southern Illinois	1,356,337
	57	Cincinnati	1,337,138
	58	Emory	1,329,748
	59	Colorado	1,324,154
	60	Calif., Irvine	1,323,855
	61	Michigan State	1,317,904
9	62	New Mexico	1,284,419
	63	British Columbia	1,281,745
	64	Rochester	1,266,337
	65	Wayne State	1,252,768
	66	SUNY-Albany	1,246,967
	67	SUNY-Stony Brook	1,241,267
	68	Tennessee	1,238,400
	69	Calif., Santa Barbara	1,230,902
	70	South Carolina	1,229,488
	71	Oregon	1,223,281
	72	Connecticut	1,221,153
	73	Florida State	1,209,530
	74	Miami	1,200,178
	75	Temple	1,193,771
	76	Vanderbilt	1,192,984
	77	McGill	1,184,267
	78	MIT	1,165,914
	79	Calif., San Diego	1,155,299
	80	Oklahoma State	1,140,874
	81	Tulane	1,138,493
	82	Georgetown	1,129,669
	83	Delaware	1,126,791
	84	McMaster	1,118,889
	85	Dartmouth	1,115,033
	86	Colorado State	1,100,000
10	87	Hawaii	1,094,062
	88	Case Western Reserve	1,079,692
	89	Queen's	1,032,677
	90	Alabama	1,027,904
	91	Manitoba	1,018,437
	92	Rice	1,008,551
	93	Notre Dame	988,102
	94	Brown	980,674
	95	Massachusetts	975,253
	96	Georgia Tech	972,135
	97	Saskatchewan	963,933
	98	York	935,491
	99	Calif., Riverside	910,068
11	100	Laval	884,743
	101	Brigham Young	845,194
	102	Utah	744,805
	103	Guelph	709,112
12	104	Kent State	434,164

Figures for Cornell and Waterloo not available.

Association of Research Libraries
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS 1984-85

Instructions for Completion of the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983. (New York, American National Standards Institute, 1983.)

2. All figures should be rounded to the nearest whole number.

3. In a university which includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics in its Higher Education General Information Survey describes a branch campus as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please provide an explanatory footnote on p. 3 of the questionnaire.

4. Questions 1-5. Use the ANSI Z39.7-1983 definition for "Volume" as noted in instruction 1 above. Include duplicates and bound volumes of periodicals. Exclude microforms, nonprint materials, uncataloged items, and government documents unless cataloged. (Government document volumes classed separately may be included if cataloged.) If any of these items must be included, please provide an explanatory footnote on p. 4 of the questionnaire.

5. Question 6. Include duplicate subscriptions and government document serials; exclude monographic and publishers' series. Because of the number of questions raised regarding the counting of serials, we call to your attention the definition to be used for this survey.

> A publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.

6. Questions 12-15 - Personnel. Report the number of staff in filled positions, or positions which are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff on p. 4 of the questionnaire. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. Round figures to the nearest whole numbers. Please give the number of hours in the work week on p. 3 of the questionnaire.

7. Question 12. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.

8. Questions 16-22 - Expenditures. The questionnaire assumes a fiscal year ending June 30, 1985. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

   Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants, special projects, and fees for service. Record the amount of funds obtained from other sources in a footnote on p. 4 of the questionnaire.

   Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.3388, the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1984 - June 1985.

9. Question 17. Exclude monographic and publishers' series.

10. Question 18. Include only contract expenditures. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire.

11. Question 20. Exclude fringe benefits. Include federal funds for work study students.

12. Question 21. Exclude expenditures for buildings, maintenance, and fringe benefits.

13. Questions 25-26 - Ph.D. Degrees. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not required for this survey. If you are unable to provide a figure for Ph.D.s only, please note this in a footnote on p. 4 of the questionnaire.

14. Question 26. For the purposes of this report, Ph.D. fields are equivalent to the several hundred specific discipline specialties enumerated in the form used by the U.S. Department of Education entitled, "Higher Education General Information Survey, Degrees . . . Conferred," designated as NCES Form 2300-2.1A-1.

    Although the HEGIS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be noted in a footnote on p. 4 of the questionnaire.

15. Questions 27-30 - Enrollment. U.S. libraries should use figures reported to the Department of Education on the form entitled "Higher Education General Information Survey, Fall Enrollment and Compliance Report . . . 1984," designated as NCES Form 2300-2.3A. The line and column numbers on the HEGIS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL in 1984 to ensure consistency and accuracy.

16. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries. Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1983-84 ARL Statistics is included in the questionnaire.

17. After the questionnaire has been completed please compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year.

18. Return one copy of the questionnaire to the ARL Office by October 5, 1985. If there are any questions about the procedure to be followed in completing this questionnaire, contact the ARL Office.

0252N

Association of Research Libraries
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS QUESTIONNAIRE, 1984-85

Reporting Institution _____

Questionnaire Completed by (Name) _____

Phone Number _____ Date Returned to ARL _____

COLLECTIONS (See instructions 4-5)

1. Volumes held June 30, 1984 (Exclude microforms and govt. docs.)
   (Record figure reported last year or footnote adjusted figure on p.4) _____
2. Volumes added during year - Gross
   (Exclude microforms and govt. docs.) _____
3. Volumes withdrawn during year
   (Exclude microforms and govt. docs.) _____
4. Volumes added during year - Net (Subtract line 3 from line 2) _____
5. Volumes held June 30, 1985 (Add line 1 to line 4) _____
6. Number of current serials, including periodicals, received
   (See instruction 5) _____
7. Reels of microfilm held June 30, 1985 _____
8. Number of microcards held June 30, 1985 _____
9. Number of microprint sheets held June 30, 1985 _____
10. Number of microfiche sheets held June 30, 1985 _____
11. Total microform units held June 30, 1985 (Add lines 7, 8, 9, 10) _____

PERSONNEL (See instructions 6-7) (Round figures to nearest whole number)

12. Number of professional staff, FTE _____
13. Number of nonprofessional staff, FTE _____
14. Number of student assistants, FTE _____
15. Total FTE staff (Add lines 12, 13, 14) _____

RL Statistics Questionnaire - Page 2

	Dollars Canadian (Canadian libraries only)	Dollars U.S. (Divide Canadian dollars by 1.3388)

XPENDITURES (See instructions 8-11)

16. Books, serials and other library materials _____ _____

17. Current serials including periodicals (See instructions 5 and 9) (Subtotal of 16) _____ _____

18. Binding _____ _____

19. Total library materials and binding (Add lines 16, 18) _____ _____

20. Total salaries and wages, including student assistants' wages (omit fringe benefits) _____ _____

21. Other operating expenditures (See instruction 11) _____ _____

22. Total library expenditures (Add lines 19, 20, 21) _____ _____

NTERLIBRARY LOANS

23. Items loaned: Originals _____; Photocopies _____; Total _____

24. Items borrowed: Originals _____; Photocopies _____; Total _____

H.D. DEGREES (See instructions 12-13)

25. Number of Ph.D.s awarded _____

26. Number of fields in which Ph.D.s can be awarded _____

NROLLMENT - FALL 1984 (See instruction 14)

27. Total full-time students (line 14, columns 13 and 14) _____

28. Total FTE part-time students (line 28, column 15) _____

29. Total full-time graduate students (line 11, columns 13 and 14) _____

30. Total FTE part time graduate students (line 25, column 15) _____

ARL Statistics Questionnaire - Page 3

FOOTNOTES FOR ARL STATISTICS, 1984-85

(Compare with footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes is given on p. 4 of the questionnaire.)

1. Law Library statistics are included.

☐ Yes ☐ No ☐ We do not have a Law Library.

2. Medical Library statistics are included.

☐ Yes ☐ No ☐ We do not have a Medical Library.

3. Other libraries not included:

_____

_____

4. Figures include reports from branch campus libraries. (See instruction 3.)

☐ Yes ☐ No

5. If branch campus libraries are included, please specify which campuses:

_____

_____

6. Basis of volume count is: ☐ Physical ☐ Bibliographical

7. Count of current serials (question 6) includes government document serials.

☐ Yes ☐ No

8. Fringe benefits are included in expenditures for salaries and wages (question 20).

☐ Yes ☐ No

9. Number of hours used in calculating work week:

Professional _____ Non-professional _____ Student FTE _____

FOOTNOTES FOR ARL STATISTICS, 1984-85

10. Other comments:

_____

_____

_____

_____

_____

11. Footnotes as published in the 1983-84 ARL Statistics. Please indicate revisions, additions, and deletions as appropriate.

Please return completed questionnaire to the ARL Office by October 4, 1985.

Reporting Institution: _____.

0253N

FOOTNOTES TO ARL STATISTICS, 1984-85

Institution	Category from Main Table	Notes
ALABAMA		All figures are as of September 30, 1985.
	(5)	Includes estimated count of government document serials for the first time.
ALBERTA		All figures are as of March 31, 1985.
		Excludes Extension Library, Boreal Institute Library, St. Joseph's College Library, and Map Library.
	(1)	1983-84 figure revised.
	(5)	Includes periodicals and serials.
	(6-8)	The figures will be 38,929 items loaned (22,965 originals and 15,964 photocopies) if loans to provincial government libraries, Extension Library loans, and Health Sciences Library extramural loans are counted.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $3,597,032; (13) $1,946,998; (14) $133,508; (15) $3,730,540; (16) $9,349,363; (17) $1,365,663; (18) $14,445,566.
ARIZONA	(1)	Includes government documents received through 1978.
	(16,17)	Includes special grant funds of $117,584 for salaries and wages and $5,116 for other operating expenditures.
BOSTON		Includes the Theology Library.
		Ph.D. count includes all doctorates other than M.D. and D.M.D. Count of Ph.D. fields based on pre-1983 NCES classification.

Institution	Category from Main Table	Notes
BRIGHAM YOUNG		Figures are as of August 31, 1985.
	(4)	Includes 140,000 rolls of microfilm received as gift.
BRITISH COLUMBIA	(1-5,12-18)	Figures are as of March 31, 1985.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $3,769,106; (13) 1,716,000; (14) $180,667; (15) $3,949,773; (16) $9,986,349; (17) $2,055,807; (18) $15,991,929.
	(13)	Estimated figure; does not include $385,000 (Can.) for 1984-85 subscriptions paid during previous fiscal year.
BROWN		Includes John Carter Brown Library and Annmary Brown Library.
CALIF., DAVIS		Includes Harrison Western Research Center Library Collection of 16,865 bound volumes and 57 non-document serials in Fair Oaks, California.
CALIF., LOS ANGELES	(1)	1983-84 figure revised.
	(1-3)	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	(18)	Includes $2,044,127 for retrospective conversion and other new or previously unreported accounts.
	(19)	Includes librarians, analysts, accountants, principal and senior editors, managers, and subject specialists.
CALIF., RIVERSIDE	(12)	Includes donations and budgeted funds.
	(16)	Includes $42,808 in federal work study funds.
	(17)	Includes grants and opportunity funds.
	(22)	Includes 1 FTE professional, 3 FTE non professionals, and 3 FTE student assistants for project.

Institution	Category from Main Table	Notes
CALIF., SAN DIEGO	(12)	Includes $122,051 in grant and gift funds.
	(16)	Includes $367,793 from research grants, special projects, and fees for services.
	(22)	Includes 27 FTE hired for cost recovery operations, special projects, and grants.
CALIF., SANTA BARBARA	(1)	1983-84 figure revised to include 58,674 items not previously counted.
CANADA INST. FOR SCI. & TECH. INFO.		All figures are as of March 31, 1985.
		Includes 15 branch libraries throughout Canada which serve the divisions of the National Research Council of Canada, CISTI's parent organization.
	(16)	Includes fringe benefits.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $7,533,000; (13) N/A; (14) $124,000; (15) $7,657,000; (16) $6,475,000; (17) $6,645,000; (18) $20,777,000.
CASE WESTERN RESERVE	(1-3)	Count is physical for some libraries and bibliographical for others.
	(4)	Based on physical counts for some libraries. Estimates were used for microcard counts last year.
CHICAGO	(2)	Includes addition of 79,176 current acquisitions, a positive correction of 20,651 for serial volumes reported in 1979-80 and 1980-81, and addition of 423,658 Crerar unique physical volumes and deliberately duplicated physical volumes resulting from the merger of The John Crerar Library and the University of Chicago.
	(3)	Includes 4,179 physical volume withdrawals during 1984-85, and subtraction of 652,727 microform bibliographical volume equivalents which have been reported to ARL Statistics for years through 1983-84.

Institution	Category from Main Table	Notes
CHICAGO (con't)	(4)	Includes addition of an estimated 284,756 pieces of Crerar unique microforms.
	(11)	Does not include 4,952 borrowed from the Center of Research Libraries
	(22)	Includes 32 FTE on special projects.
CINCINNATI	(1)	1983-84 figure revised.
	(21)	Includes 409,123 for development and installation of an online catalog system.
COLORADO	(16)	Includes $187,620 from work study funds.
	(19)	Includes 2.5 FTE paid from grant funds.
	(21)	Includes 26 FTE paid from work study funds.
COLORADO STATE	(16)	Includes fringe benefits.
	(18)	Includes special grants of $433,834 for computer upgrade and $501,200 for storage relocation.
COLUMBIA	(16)	Does not include $566,500 for restricted funding positions.
	(19-21)	Does not include 14 professionals, 11.5 nonprofessionals, and 1.5 student assistants paid from special restricted funds.
CONNECTICUT		Includes Hartford Regional Library for the first time this year.
CORNELL		Excludes Geneva Experiment Station.
DARTMOUTH	(1)	Includes government documents.
	(5)	Includes cataloged government documents.
	(19-21)	Includes 1 FTE professional, 7 FTE non-professionals, 1 FTE student assistant paid from grant funds.
DELAWARE	(18)	Does not include major outlay for construction and equipment.

Institution	Category from Main Table	Notes
DUKE	(1)	1983-84 figure revised.
EMORY	(12-22)	Figures are as of August 31, 1985.
	(16)	Includes $69,556 in work study funds, and $198,461 from other sources.
	(22)	Includes 2.5 FTE cost recovery positions and 3 FTE paid from special project and grant funds.
FLORIDA	(17, 18)	Does not include $32,515 from University of Florida Foundation for books and subscriptions; $1,427,721 from Florida Center for Library Automation for automation; $271,169 from Library Auxiliary; and $152,659 in grant funds.
FLORIDA STATE		Excludes Development Research School; includes branch campus in Panama City.
	(1-3)	Includes cataloged government documents for Law Library only.
	(1-4, 16)	Figures include branch campus in Panama City.
	(16)	Includes some fringe benefits.
GEORGETOWN		Excludes Center for Population Research (2,000 volumes).
	(1)	1983-84 figure revised.
	(18)	Figure includes $169,363 paid from special and grant funds. Figure does not include library computer costs of $43,308 as they are not charged to the Library's budget.
GEORGIA		Includes experiment stations at Griffin, Tifton, Skidaway, and Sapelo.
	(5)	Includes some monographic series received on standing order.
GEORGIA TECH	(1)	Includes government documents. Some cataloged microforms included from previous years; microforms included in volume count excluded in microform count.

Institution	Category from Main Table	Notes
GEORGIA TECH (con't)	(2)	Includes government documents.
	(4)	Some cataloged microforms included in previous years' volume counts.
	(13)	Includes $437,668 paid from grants, endowments, and gift funds.
GUELPH		All figures are as of April 30, 1985.
	(1)	Includes cataloged government documents.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $1,811,769; (13) $949,359; (14) $82,683; (15) $1,894,452; (16) $3,431,405; (17) $190,203; (18) $5,516,060.
HARVARD		Includes research institutions in District of Columbia, Texas, and Italy.
	(1)	1983-84 figure revised.
	(18)	Separate figure for expenditures from grants and special projects not available. Expenditures do not include fringe benefits ($3,095,104), building and maintenance charged to library budget ($3,284,152), cost-recovery items ($2,368,441). Total reported expenses including these items: $33,736,108.
HAWAII		Excludes Industrial Relations Library, Hawaii Institute of Geophysics Library, and School of Public Health Reference Collection, all not under university library administration.
	(12)	Includes $119,501 in federal grant funds.
HOUSTON		All figures are as of August 31, 1985.
INDIANA	(1)	1984-85 figure revised.
IOWA	(5)	Includes only those government documents received on paid subscriptions.

Institution	Category from Main Table	Notes
IOWA (con't)	(13)	Expenditures for monographic serials not available.
	(18)	Includes $46,276 in gifts, $116,878 in federal grant funds.
	(19-22)	Includes staff on special RECON project.
JOHNS HOPKINS		Includes Peabody Conservatory Library, Welch Medical Library, School of Hygiene and Public Health Library, Applied Physics Laboratory Library, and School of Advanced International Studies in Washington, D.C. and Bologna, Italy, and the center for Italian Studies in Florence, Italy.
	(1)	1983-84 figure revised to include the Center for Italian Studies in Florence, Italy for the first time this year.
	(22)	Includes funds obtained from other sources amounting to $484,645.
KANSAS		Includes School of Medicine in Kansas City.
	(1-3,6-11)	Includes History of Medicine Library collection, which is not included in other figures.
	(19-22)	Includes 4.5 FTE professionals, and 5 FTE student assistants that are grant funded positions.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 53 fields at Lawrence campus and 9 at Medical Center in Kansas City.
KENTUCKY	(18)	Includes $462,852 received from sources other than regular institutional budget.
	(19,20,21)	Includes 2 FTE professionals, .8 FTE nonprofessional, and .4 FTE students paid from grant funds.
	(21)	Includes 11.6 FTE students paid through work study funds (including some non-library units).

Institution	Category from Main Table	Notes
KENT STATE	(1)	Includes cataloged government documents.
	(16)	Does not include Federal work study funds.
	(16-22)	Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproductions.
	(17)	Includes fringe benefits and $71,043 from outside funds.
LAVAL	(12)	Includes $38,820 (Can.) in grant funds.
	(16)	Fringe benefits which are not included, total $1,046,039 (Can.).
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,307,529; (13) $1,184,494; (14) $87,264; (15) $2,394,793; (16) $6,892,374; (17) $774,849; (18) $10,062,016.
LIBRARY OF CONGRESS	(5)	Estimated figure.
LINDA HALL		All figures are as of December 31, 1984.
	(1)	1983-84 figure revised.
	(18)	Excludes $158,857 in fringe benefits; $228,655 in plant maintenance; and $10,298 in educational costs.
LOUISIANA STATE		Includes Veterinary Medicine Library.
	(1)	Included bound government documents.
	(20)	Includes 2 FTE paid from federal funds for SEARL Serials Project.
McGILL		All figures are as of May 31, 1985.
	(1)	1983-84 figure revised.
	(12)	Includes Can. $758,647 in special funds and Can. $60,000 in Government grants toward specific collections.
	(16)	Includes Can. $171,737 for contracted security services.

Institution	Category from Main Table	Notes
McGILL (con't)	(12-18)	Expenditures reported in Canadian dollars were: (12) $3,279,660; (13) $1,585,497; (14) $177,384; (15) $3,457,044; (16) $7,660,909; (17) $715,314; (18) $11,833,267.
McMASTER		All figures are as of April 30, 1985.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $3,422,633; (13) $1,497,969; (14) $93,227; (15) $3,515,860; (16) $3,921,345; (17) $519,502; (18) $7,956,707.
MANITOBA		All figures are as of March 31, 1985.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,354,549; (13) $1,363,484; (14) $116,964; (15) $2,471,513; (16) $5,278,810; (17) $790,711; (18) $8,541,034.
	(12[illegible],16,17)	Includes grants (in Canadian dollars): (12) $59,816; (13) $1,663; (14) $177; (16) $45,236; (17) $8,376.
	(19,20)	Includes 2 FTE professionals and 1 FTE nonprofessional paid through grant funds.
MARYLAND		College of Library and Information Services data are included for collections and expenditures (except salaries and wages), but not for personnel.
	(16,21)	Expenditures for federal work study students are not included, but these students are included in the calculation of FTE student assistants.
		Ph.D. count includes all doctoral fields.
MASSACHUSETTS	(5)	Includes some government documents which are cataloged separately from the Government Documents Collection.
MIT	(18)	Includes $374,737 in grant funds.
	(19,20)	Includes 8 FTE professionals and 3.1 FTE nonprofessionals paid through grant funds.

Institution	Category from Main Table	Notes
MIAMI	(16)	Excludes Director's salary.
	(17)	Includes other sources of revenue as follows: service fees $167,059; special projects $19,122; grants $19,092; and gifts and endowments $187,949
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan, Flint Library.
	(1)	1983-84 figure revised. Includes microforms held in the Transportation Research Institute.
	(16)	Transportation Research Institute personnel budget is covered by parent institution except for $55.78.
MICHIGAN STATE	(22)	Includes 1.5 FTE paid from grant funds.
MINNESOTA	(1)	1983-84 figure revised.
MISSOURI	(5)	Government documents included for Law Library only.
	(17)	Includes $207,715 from Copy Service and system-wide funds for retrospective conversion, grants, and other sources.
NAT. AGRIC. LIB.		U.S.D.A. field libraries not included.
		Figures are as of September 30, 1985.
	(16)	Includes fringe benefits.
NAT. LIB. OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1985.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,804,864; (13) $397,499; (14) $22,036; (15) $2,826,900; (16) $15,706,986; (17) $9,351,608; (18) $27,885,494.
	(19-22)	Figures represent headcount not FTE.
NAT. LIB. OF MED.	(12-22)	Statistics on personnel and expenditures reflect the Library Operations component of the National Library of

Institution	Category from Main Table	Notes
NAT. LIB. OF MED. (con't)		Medicine, namely: Reference Services Division, Bibliographic Services Division, Technical Services Division, History of Medicine Division, Medical Subject Headings Section, and the Office of the Associate Director for Library Operations. Figures also include Library's Office of Computer and Communications Systems and the Specialized Information Services components for the first time this year. Figures also include all internal computer systems and services as well as NLM's national online network.
NEBRASKA	(1)	1983-84 figure revised to include law library which was not included in 1982-83 and 1983-84.
	(5)	Includes cataloged government documents.
	(13)	Does not include expenditures for law library which are not available.
NEW MEXICO		Includes law and medical libraries for the first time this year.
	(12)	Includes $157,608 in OCLC expenditures.
		Ph.D.'s awarded include M.D. and J.D. degrees.
NEW YORK	(12-18)	All figures as of August 31, 1985.
NEW YORK PUBLIC	(12-18)	1984-85 expenditure figures not yet available. Figures given are for 1983-84.
NEW YORK STATE LIB.		All figures as of March 31, 1985.
	(1)	Includes government documents.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	(19, 20)	Includes 6 FTE professionals and 2 FTE nonprofessionals on special grant funds.
	(18)	Includes $1,896,214 in grants, trust, and other special funds. Does not include

Institution	Category from Main Table	Notes
NORTH CAROLINA (con't)		$68,068 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State University.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
NORTHWESTERN		Includes Dental Library.
		All figures are as of August 31, 1985.
	(12-18)	Includes project and grant funds as follows: (15) $363,925; (16) $141,997 of federal work study funds; (17) $42,510.
	(16)	Includes $232,925 in federal work-study funds.
	(19-22)	Includes 4.2 FTE professionals, 5.9 FTE nonprofessionals and 7.8 FTE student assistants on special grants and projects. Also includes 37 student assistants paid on federal work study funds.
NOTRE DAME	(4)	Does not include microforms in various departmental collections.
	(5)	Includes cataloged government documents.
OHIO STATE		Includes University Archives.
	(17)	Includes expenditures attributed in previous years to the University computer center.
	(19-22)	Includes 1.25 FTE professionals, 1.2 FTE nonprofessionals, .8 FTE students on special grant funds.
OKLAHOMA	(1)	1983-84 figure revised.
OKLAHOMA STATE		Excludes OSU Technical Institute in Oklahoma City and OSU School of Technical Training in Okmulgee.
OREGON	(5)	Excludes duplicate subscriptions.
	(12)	Includes $32,329 in grant and gift funds.
	(19)	Includes 2 FTE paid from federal grant funds.

Institution	Category from Main Table	Notes
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Schuylkill, Scranton, Shenango Valley, Wilkes-Barre, York, Behrend College, and King of Prussia Center for Graduate Studies. Excludes Capitol Campus at Middletown, Pennsylvania.
	(1)	1983-84 figure revised.
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville.
	(1)	1983-84 figure revised to correct for prior inclusion of microforms by Law Library. Includes cataloged government documents.
	(13)	Includes expenditures for annuals not reported in prior years.
QUEEN'S		Figures are as of April 30, 1985.
		Excludes Library of the Industrial Relations Centre.
	(16,19)	Does not include Chief Law Librarian.
	(18)	Includes funds from cost recovery Can. $173,430.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,610,359; (13) $1,382,548; (14) $117,236; (15) $2,727,595; (16) $4,111,058; (17) $435,862; (18) $7,274,515.
RICE	(6-8)	Includes Interlibrary Loans to corporate libraries.
	(15,17,18)	Includes all sources of funding.
	(16)	Includes positions funded by external grants, contracts, and transfers from other university budgets and cost centers.

Institution	Category from Main Table	Notes
ROCHESTER		Includes Sibley Music Library of Eastman School of Music.
	(1)	1983-84 figure revised.
RUTGERS		Figures include services to a non-Rutgers medical school, and campuses in Camden, Newark, and New Brunswick.
	(1)	1983-84 figure revised due to adjustments made on the basis of actual book count.
	(19,22)	Does not include cost recovery positions and staff hired for special projects and grants.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
	(12-18)	Figures as of April 30, 1985. Expenditures reported in Canadian dollars were: (12) $2,296,680; (13) $1,290,514; (14) $89,123; (15) $2,385,803; (16) $3,963,110; (17) $463,381; (18) $6,812,294.
SMITHSONIAN		All figures are as of September 30, 1985.
		Includes Smithsonian Astrophysical Observatory in Cambridge, Mass. and Mt. Hopkins, Ariz.; Cooper-Hewitt Museum in New York City; and Smithsonian Tropical Research Institute in Panama. Excludes Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery.
	(1)	Estimated figure.
	(1-3)	Includes microforms in volume equivalents.
SOUTH CAROLINA		Enrollment figures do not include 989 Law and Medical students.

Institution	Category from Main Table	Notes
SOUTHERN CALIF.		Includes the Andrus Gerontology Center Library, the Hancock Library of Biology and Oceanography, and the Arnold Schöenberg Institute Library, and the Occupational Therapy/Physical Therapy and Nursing Collection. Does not include the Safety and Systems Management Library.
	(1)	1983-84 figure revised to include Occupational Therapy/Physical Therapy and Nursing Collection for the first time.
		Number of Ph.D.'s awarded is 1983-84 figure.
SOUTHERN ILLINOIS		Excludes Center for Dewey Studies; Papers of Ulysses S. Grant; Instructional Development, Research and Evaluation Faculty of Learning Resources Service; School of Medicine Library (Springfield). Includes the School of Law Library, which is not administratively part of Library Affairs.
	(18)	Includes $803,421 in grant and special funds.
STANFORD	(12)	Includes 19 FTE paid from grant and contract funds.
	(12-18)	Figures are as of August 31, 1985.
	(18)	Includes $776,898 in grant and contract funds.
	(22)	Excludes $200,000 for phased purchase of Barchas Collection
SUNY, ALBANY		Includes the Graduate Library of Public Affairs and Policy (formerly Hawley Library) on East campus.
	(14)	Includes $20,000 in grant funds.
	(16)	Includes $10,000 in grant funds. Excludes federal work study allocations.
	(17)	Includes $82,589 in grant funds and $166,494 from other sources (i.e.,

Institution	Category from Main Table	Notes
SUNY, ALBANY (con't)		revenue for services, grants, chargebacks).
	(12-18)	Figures are as of March 31, 1985.
	(22)	Includes 1 FTE professional and 1.5 FTE student assistants paid on grant funds.
SUNY, BUFFALO		Figures are as of March 31, 1985.
	(19,20)	Includes 4 professionals and 4 nonprofessionals FTE on special projects/grants.
		Ph.D.s awarded are as of June 30, 1985.
SUNY, STONY BROOK		Figures are as of March 31, 1985.
	(12)	Includes $13,913 from Coordinated Collection Development Fund, New York State.
	(16)	Includes $63,844 from Income Fund Reimbursable Account, Health Sciences Library.
	(17)	Includes $55,418 from Income Fund Reimbursable Account, and $524 from Research Account.
	(18)	Includes $300,000 special grant for the Javits Collection.
SYRACUSE		Excludes Utica College.
	(16)	Includes $105,881 for Academic Computer Center staff.
	(17)	Includes Academic Computer Center computer rentals, collection insurance, CRL dues, as well as regular operating expenditures.
	(19)	Includes 3.5 FTE in Academic Computer Center.
		Ph.D.'s awarded include all doctoral degrees.
TEMPLE		Excludes Journalism, Health, Physical Education, Recreation, and Dance Libraries and other departmental collections.

Institution	Category from Main Table	Notes
TEMPLE (con't)	(12-17)	Includes grants and endorsement funds as follows: (12) $31,941; (13) $167; (14) $642; (16) $11,653; (17) $ 550,972.
		Ph.D. figure revised based on University's reorganized collection of statistics.
TEXAS		Figures are as of August 31, 1985 and include the General Libraries, Law Library, and the Humanities Research Center.
	(1)	1983-84 figure revised.
	(15)	Includes expenditures of $3,602,147 by General Libraries, $619,536 by Law Library, and $2,500,000 by Humanities Research Center.
	(16)	Includes Title II-C and federal work study funds.
	(22)	Includes 8.75 FTE staff hired on grant and/or recovery funds.
TEXAS A & M		All figures are as of August 31, 1985.
TORONTO		Reporting year changed to May 1 - April 30. All figures are as of April 30, 1985. Includes only the libraries of the university within the President's budget; excludes the libraries of the federated and affiliated institutions.
	(1)	Includes government documents, some of which are cataloged.
	(5,13)	Includes monographic series.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $5,746,418; (13) $2,978,127; (14) $245,252; (15) $5,991,670; (16) $16,035,838; (17) $1,916,472; (18) $23,943,980.
TULANE		Includes Delta Primate Center in Covington, La.
	(4)	Excludes holdings for Medical Library.
	(16)	Includes some fringe benefits.

Institution	Category from Main Table	Notes
VANDERBILT	(4)	Includes microfiche collection not previously counted.
	(6-11)	Excludes Law Library.
VIRGINIA POLY.		Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	(5)	Estimated figure.
WASHINGTON	(1)	1983-84 figure revised.
	(5)	Includes only government document serials that are cataloged.
	(12,13)	Includes: (12) $105,065 and (13) $20,284 in gifts and grants.
	(16,17)	Includes (16) $500,631 and (17) $430,102 from grants and fee-based services, and contracts.
	(19-22)	Includes 8 FTE professionals, 11.5 FTE nonprofessionals, 18.3 FTE students paid from cost recovery, grants, and contracts.
WASHINGTON STATE	(5)	Includes government document serials.
	(16-18)	Includes expenditures for Instructional Media Services.
	(21)	Includes staff for Instructional Media Services.
WATERLOO		Figures include the Engineering, Mathematics and Science Library and the University Map and Design Library.
		Figures as of April 30, 1985.
	(1)	Includes cataloged government documents.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,831,020; (13) N/A; (14) $68,781; (15) $2,899,801; (16) $4,314,075; (17) $482,603; (18) $7,696,479.

Institution	Category from Main Table	Notes
WAYNE STATE		All figures are as of September 30, 1985.
	(1)	1983-84 figure revised to include 12,122 "in-process" materials and 23,078 volumes not previously counted.
	(12-18)	Includes funds for University Archives as follows: (12) $3,400; (13) $1,500; (14) $500; (16) $311,162; (17) $37,000.
	(19-21)	Includes 13 FTE professionals, 3 FTE nonprofessionals, and 4 FTE student assistants from University Archives.
WESTERN ONTARIO		Figures are as of April 30, 1985.
		Excludes libraries of 3 affiliated colleges, School of Library and Information Science, and departmental libraries.
	(1)	1983-84 figure revised.
	(12-18)	Expenditures reported in Canadian dollars were: (12) $3,953,707; (13) $1,862,511; (14) $37,870; (15) $3,991,577; (16) $5,746,424; (17) $322,364; (18) $10,060,365.
WISCONSIN	(18)	Includes $998,504 obtained from other sources.
YALE		Includes Lewis-Walpole Library in Farmington, Connecticut.
YORK		All figures are as of April 30, 1985.
		Includes Glendon campus.
	(12)	Includes $62,840 in gifts, and $68,163 in trusts (reported in Canadian dollars).
	(12-18)	Expenditures reported in Canadian dollars were: (12) $2,784,751; (13) $1,252,435; (14) $169,785; (15) $2,954,536; (16) $4,744,695; (17) $1,193,770; (18) $8,893,001.
		Statistical information on enrollments is in fiscal full-time equivalents.

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1) 1944-45 to 1962-63. Special Film No. S-338.

Published as "Princeton University Library Statistics."

2) 1919-20 to 1943-44. AG 1-OP30634.

Originally published in 1947 under title: College and University Library Statistics.

2. Cumulated ARL University Library Statistics, 1962-63 through 1978-79. 1981.

Compiled by Kendon Stubbs and David Buxton for the Committee on ARL Statistics. Includes ARL annual statistics and salary data, plus data on university enrollments, expenditures, federal support, and Ph.D.'s awarded from non-ARL sources and not included in the printed ARL Statistics.

a. Book format. Available from the Association. Price: $15.00 (ARL members, $10.00).

b. 1600 b.p.i., 9-track magnetic tape. Suitable for use with SPSS, BMDP, SAS, and other statistical software. Price: $40.00 (with documentation).

Order from: Kendon L. Stubbs
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Charlottesville, Virginia 22901

3. The Gerould Statistics, 1907/08-1961/62.

Compiled by Robert Molyneux. A compilation of data on ARL libraries, begun in 1908 by James Thayer Gerould, and later continued as the "Princeton" Statistics. All variant figures have been traced and sources annotated, and graphs prepared of individual library data. Data will be available in machine readable form as well. To be published Spring 1986.

4. The ARL Library Index and Quantitative Relationships in the ARL. 1981.

A detailed description of the index developed as a summary indicator of relative ARL library size, prepared by Kendon Stubbs for the Committee on ARL Statistics. Available from the Association. Price $5.00 (ARL members, $2.50)

5. ARL Annual Salary Survey.

Published annually since 1967-68. Provides data on beginning and median professional salaries, as well as numbers and average salaries for positions in ARL university libraries and distribution of these positions by sex and minority group, and by location, size, and type of institution.

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6. Objective Performance Measures for Academic and Research Libraries. 1984

Prepared by Paul B. Kantor of Tantalus, Inc., for the Association of Research Libraries. A manual to help libraries analyze their operations and services. Performance measures covered include: availability of library materials, accessibility of library materials, and delay analysis. Available from the Association. Price: $25.00

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